

SAHA Project

raiSe libyAn Higher education health sector for the benefit of local society

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ERASMUS+ CAPACITY BUILDING IN THE FIELD OF HIGHER
EDUCATION PROGRAMME**

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D2.2 المقررات المعتمدة والمصدق عليها في كل جامعة ليبية

الرقم المرجعي للمشروع: 619002-EPP-1-2020-1-IT-EPPKA2-CBHE-JP

KA2 ERASMUS+ CAPACITY BUILDING IN THE FIELD OF HIGHER EDUCATION PROGRAMME

الترجمة العربية بواسطة: Nader Alfakehal



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أهداف مشروع SAHA العامة

مشروع الرفع من كفاءة قطاع التعليم العالي الليبي في مجال الصحة لصالح المجتمع المحلي SAHA – مشروع (الرفع من كفاءة قطاع التعليم العالي الليبي في مجال الصحة لصالح المجتمع المحلي) – يهدف إلى المساهمة في تحديث نظام الصحة والرعاية الصحية في ليبيا، من خلال معالجة هذه المجالات الرئيسية التي تحظى بإهتمام كبير من المواطنين والحكومة في كافة ربوع ليبيا. مشروع SAHA منسق من قبل البروفيسور انطونيو موروني من جامعة بافيا في إطار برنامج Erasmus+ لبناء القدرات في مجال التعليم العالي. (CBHE) المشروع يشمل شركاء من الطرف الليبي وهم ستة جامعات مختلفة: الجامعة الليبية الدولية للعلوم الطبية، (LIMU) جامعة طرابلس، جامعة مصراتة، جامعة سبها، جامعة سرت وجامعة الزاوية. اتحاد مشروع SAHA مكون أيضاً من جامعة غرناطة (University of Granada)، جامعة غرب بوهميا (University of West Bohemia) واتحاد الجامعات المتوسطة UNIMED. العمل التخطيطي لمشروع SAHA مبني على ثلاثة ركائز مهمة وهي: الصحة، البحث الأكاديمي والإستقرار المؤسسي. الغرض من العمل التخطيطي للمشروع هو المساهمة في عملية تحقيق الإستقرار فالبلاد، حيث تتسبب الصراعات الداخلية المستمرة في زيادة حجم الأزمة الصحية فيها. المشروع أصبح ممكن من خلال الإلتزام والإهتمام المتواصل من قبل الجامعات الليبية، وبما انها تمثل نواة المجتمع، عن طريق تفاني هذه الجامعات سيكون من الممكن تحقيق نتائج هيكليّة. يهدف مشروع SAHA إلى رفع مستوى الدورات الموجودة بالفعل وتعزيز علاقتها بالمجتمع من خلال تقديم دورات جديدة في مجال ادارة الإقتصاد والرعاية الصحية وإنشاء مراكز لإدارة البيانات الصحية في مؤسسات التعليم العالي الليبية. المشروع يهدف أيضا الى انشاء مراكز أكاديمية تهتم بجمع البيانات الطبية عن طريق انشاء لجنة استشارية تشمل الجهات المعنية المتعددة واصحاب المصالح المشتركة وصناع القرار، وذلك لتحديد السياسات الرئيسية على الصعيد المحلي والإقليمي والدولي. مشروع SAHA يسعى إلى زيادة استعداد قطاع التعليم لمواجهة التحديات الرئيسية التي تواجهها ليبيا، مثل تعزيز السلام، توفير خدمات ورعاية صحية لكافة سكان ليبيا وزيادة التوظيف والنمو الاقتصادي. خاصة بما يتعلق بمجال خدمات الرعاية الصحية، الهدف الرئيسي هو تحسين التعليم العالي و تعزيز مستوى الكفاءات والمهارات في مؤسساته، عن طريق انشاء برامج تعليمية جديدة ومطورة في إدارة أداء العمل والرعاية الصحية وتشجيع التقارب التطوعي خلال الدورات التدريبية في مؤسسات التعليم العالي الليبية تماشياً مع تطورات مؤسسات التعليم العالي الأوروبية في هذا المجال، وتعزيز وخلق بيئة سلمية وأمنة للتعليم وإجراء البحث العلمي

مجموعة العمل: WP2: تخطيط مُنْهَج في ادارات القطاع الصحي مقدمة

تسعى مجموعة العمل WP2 إلى وضع منهج مفصل مبني على اختيار دقيق للمحتويات و العمليات التي سيتم تبنيها وتنفيذها من قبل مراكز التدريب لمرحلة ما بعد التخرج (PGTS) في مجال إدارة القطاع الصحي. تصميم منهج جديد يتم عن طريق فحص والاخذ بعين الاعتبار كيف ستكون نتائج مجموع العمل WP1. المناهج الجديدة سيتم تنظيمها بطريقة معيارية من اجل تسهيل إعتمادها وتكيفها مع احتياجات ليبيا. النموذج الأساسي للمناهج الدراسية سيتكون من نفس الوحدات لجميع جامعات ليبيا. بعد ذلك سوف تكون هناك عملية تحليل عميقة تمكن من تنسيق الاستراتيجيات المحددة لكل جامعة معنية.

1. صياغة منهج دراسي تدريبي يستهدف مرحلة الدراسات العليا في الإدارات الصحية.
2. اعتماد وتصديق الدورات المتكاملة الجديدة.

تقرير مجموعة العمل

نظرة عامة على التقرير

يتعلق هذا التقرير بالتسليم 2.2 الخاص بالمقررات المعتمدة والمصدق عليها في كل جامعة ليبية ضمن مجموعة العمل SAHA. الثانية المتعلقة بتصميم المناهج الدراسية للتدريب العالي للمحترفين الطبيين في إدارة الصحة ضمن مشروع والمدمجة ضمن SAHA يهدف هذا التقرير إلى توضيح عمليات اعتماد المقررات التي تم تنفيذها ضمن مشروع في كل جامعة ليبية شريكة، والمعتمدة من وزارة التعليم العالي (MSc in HCM) ماجستير إدارة الرعاية الصحية والبحث العلمي الليبية. لذلك، يحتوي التقرير على الوثائق الرسمية الصادرة من الوزارة التي تثبت اعتماد مقررات SAHA.

والأوصاف الدراسية، SAHA بالإضافة إلى ذلك، يتضمن التقرير قوائم المقررات التي تم تنفيذها ضمن مشروع (MSc in HCM) لكل مقرر في الجامعات الليبية الشريكة، والجداول الدراسية لماجستير إدارة الرعاية الصحية (syllabi) في كل جامعة ليبية شريكة، وقوائم الطلاب المسجلين في ماجستير إدارة الرعاية الصحية في كل جامعة ليبية (HCM) في ماجستير SAHA شريكة، ومعايير اختيار الطلاب المسجلين في البرنامج وقوائم الأساتذة الذين يدرّسون مقررات إدارة الرعاية الصحية في كل جامعة ليبية شريكة.

قائمة مقررات SAHA في ماجستير إدارة الرعاية الصحية (MSc in HCM)

المقررات التي تم تنفيذها ضمن مشروع SAHA، والتي هي نفسها في جميع الجامعات الليبية الشريكة، تشمل ما يلي:

مقدمة في اقتصاديات الصحة وإدارة الرعاية الصحية
اقتصاديات الصحة
إدارة الرعاية الصحية
إدارة الأداء
تطوير الأعمال
(Telemedicine) الطب عن بُعد

خطابات اعتماد مقررات SAHA من وزارة التعليم العالي والبحث العلمي (الملحق الأول)

يتضمن الملحق الأول، حسب الترتيب الوارد في جدول المحتويات (LIMU)، MU، SeU، SU، UoT، (ZU)، خطابات اعتماد برامج الماجستير والمقررات التي تم تنفيذها ضمن مشروع SAHA لدى وزارة التعليم العالي والبحث العلمي. اعتمدت الجامعة الليبية الدولية للعلوم الطبية (LIMU)، جامعة مصراتة، جامعة سرت، وجامعة طرابلس برامج الماجستير بأكملها. بينما اعتمدت جامعة سبها وجامعة الزاوية فقط المقررات التي تم تنفيذها ضمن مشروع SAHA.

الأوصاف الدراسية لمقررات SAHA (الملحق الثاني)

يتضمن الملحق الثاني، حسب الترتيب المبين في جدول المحتويات، الأوصاف الدراسية (syllabi) لستة مقررات التالية:

مقدمة في اقتصاديات الصحة وإدارة الرعاية الصحية
اقتصاديات الصحة
إدارة الرعاية الصحية

إدارة الأداء

تطوير الأعمال، الطب عن بُعد، التي تم تنفيذها ضمن مشروع SAHA.

معايير اختيار الطلاب الراغبين في التسجيل في ماجستير إدارة الرعاية الصحية (MSc in HCM)

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تختلف معايير اختيار الطلاب الراغبين في التسجيل في ماجستير إدارة الرعاية الصحية (MSc in HCM) في الجامعات الليبية الست الشريكة. ومع ذلك، ووفقاً للقرار الذي تم اتخاذه في اجتماع الشركاء لمشروع SAHA في طرابلس (30 أبريل 2023)، يتعين على المؤسسات الفردية تطبيق بعض معايير الاختيار الموحدة في الاختبارات القادمة.

والمعايير المتفق عليها من قبل مجموعة العمل هي كما يلي:

المتطلبات:

درجة البكالوريوس في الصحة أو الاقتصاد أو المجالات ذات الصلة
إتقان اللغة الإنجليزية: المستوى 2B
الأولويات:

- درجة البكالوريوس في الصحة أو الاقتصاد أو المجالات ذات الصلة التي تم الحصول عليها من نفس الجامعة
- الحصول على درجة البكالوريوس خلال خمس سنوات أكاديمية كحد أقصى عند التسجيل
- اختيار لا يزيد عن 30 طالباً
- إتقان اللغة الإنجليزية بمستوى يفوق 2B
- العلامة النهائية في درجة البكالوريوس

بالنسبة لكل جامعة، يتم توضيح ما إذا كانت معايير الاختيار المذكورة هي المعتمدة حتى الآن، دون أن تشمل المعايير المتفق عليها من قبل مجموعة العمل، أو ما إذا كانت قد تم دمجها بالفعل مع المعايير المتفق عليها.

الجامعة الليبية الدولية للعلوم الطبية LIMU

تشير معايير الاختيار المدرجة أدناه إلى تلك التي تم استخدامها لاختيار الطلاب حتى الآن. تلتزم LIMU بدمج المتطلبات والأولويات المتفق عليها من قبل مجموعة العمل في الاختيارات المستقبلية.

تم وضع علامة باللون الأحمر على معايير الاختيار، سواء المتطلبات أو الأولويات، التي تتطابق مع تلك التي اتفق عليها الائتلاف في اجتماع الشركاء في طرابلس (30 أبريل/نيسان 2023).

معايير الإختيار:

اختيار لا يتجاوز 30 طالباً

الحصول على درجة البكالوريوس أو ما يعادلها في مجالات صحية، مع حد أدنى لمتوسط عام يبلغ "جيد"

العمل في مؤسسة صحية أو طبية ليبية

إعطاء الأولوية في القبول لخريجي LIMU

اجتياز المقابلة واختبار اللغة الإنجليزية

العلامات: **ترجيح 50% من الدرجة النهائية**

جامعة مصراتة (MU)

تشير المعايير الموضحة أدناه إلى تلك التي تم اعتمادها لاختيار الطلاب حتى الآن. تستند هذه المعايير إلى اللائحة 501 التي تنظم نظام التعليم العالي في ليبيا. تلتزم جامعة مصراتة بدمج المتطلبات والأولويات المتفق عليها من قبل الإتحاد في الاختيارات المستقبلية.

معايير الاختيار
درجة بكالوريوس في الطب، أو الاقتصاد، أو الإدارة، أو إدارة الصحة.

مستوى إتقان اللغة الإنجليزية: **2B فما فوق.**

العلامات: **يجب أن تكون "جيد" (أعلى من 65%)**

جامعة سبها (SeU)

تشير معايير الاختيار المدرجة أدناه إلى المعايير المستخدمة لاختيار الطلاب حتى الآن. تلتزم جامعة سبها SeU بدمج المتطلبات والأولويات المتفق عليها من قبل الإتحاد في عمليات الاختيار المستقبلية.

معايير الاختيار
إعطاء الأولوية لحملة درجة البكالوريوس في الكليات الطبية، مثل الطب، وطب الأسنان، والصيدلة، بالإضافة إلى كليات الاقتصاد وإدارة الأعمال.

مستوى إتقان اللغة الإنجليزية: **1B أو شهادة معادلة معتمدة من مركز اللغة بالجامعة.**
تقديم خطابين توصية.

العدد المستهدف من الطلاب هو 15.

جامعة سرت (SU)

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تشير المعايير الموضحة أدناه إلى تلك التي تم الاتفاق عليها من قبل الإتحاد خلال اجتماع الشركاء في طرابلس (30 أبريل 2023).

معايير الاختيار
درجة بكالوريوس في مجالات الصحة أو الاقتصاد.

مستوى إتقان اللغة الإنجليزية: 2B.

الحصول على درجة البكالوريوس في مجالات الصحة من نفس الجامعة.

تحقيق درجة البكالوريوس خلال خمس سنوات أكاديمية كحد أقصى عند التسجيل.

العدد الأقصى للطلاب هو 30

مستوى إتقان اللغة الإنجليزية أعلى من 2B

علامة درجة البكالوريوس

جامعة طرابلس (UoT)

تشير المعايير الموضحة أدناه إلى تلك التي تم اعتمادها لاختيار الطلاب حتى الآن. تلتزم جامعة طرابلس بدمج المتطلبات والأولويات المتفق عليها من قبل الإتحاد في الاختيارات المستقبلية.

معايير الاختيار
درجة بكالوريوس في مجالات الصحة، مع التخرج من كليات الطب في جامعة طرابلس (كلية الطب, كلية الصيدلة, كلية طب الأسنان, كلية التقنية الطبية).

تحقيق درجة البكالوريوس خلال خمس سنوات أكاديمية كحد أقصى عند الاختيار للتسجيل.

مستوى إتقان اللغة الإنجليزية: 2B

اجتياز اختبار القبول.

العدد الأقصى للطلاب هو 20 (سيتم اختيار 10 طلاب للفصل الدراسي الأول).

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جامعة الزاوية (ZU)

تشير المعايير الموضحة أدناه إلى تلك التي تم اعتمادها لاختيار الطلاب حتى الآن. تلتزم جامعة الزاوية بدمج المتطلبات والأولويات المتفق عليها من قبل الإتحاد في الاختيارات المستقبلية.

معايير الاختيار
درجة بكالوريوس أو ما يعادلها في التخصصات التالية: الطب؛ طب الأسنان؛ الصيدلة؛ التقنية الطبية؛ الصحة العامة؛
الاقتصاد؛ الإدارة؛

المحاسبة؛ تحليل البيانات.

اجتياز اختبار تحديد مستوى اللغة الإنجليزية، بما يعادل درجة 4.5 في اختبار IELTS (مستوى اللغة اعلى من 2B).

تقديم دليل على موافقة جهة العمل للموظفين من خارج الجامعة.

يتراوح عدد الطلاب المقبولين في كل فصل دراسي بين 10 و15 طالباً.

قائمة الأساتذة المعلمين لدورات SAHA في ماجستير إدارة الرعاية الصحية (MSc in HCM)

تحتوي الجداول التالية على قوائم الأساتذة المعلمين للدورات الست ضمن مشروع SAHA، وهي: مقدمة في اقتصاديات الصحة وإدارة الرعاية الصحية، اقتصاديات الصحة، إدارة الرعاية الصحية، إدارة الأداء، تطوير الأعمال، الطب عن بُعد بالإضافة إلى ذلك، تتضمن الجداول أسماء الأساتذة المسؤولين عن تنسيق برامج الماجستير في إدارة الرعاية الصحية.

المسؤولون الحاليون: هم الأساتذة الذين يتولون حالياً (اعتباراً من اجتماع الشركاء بطنابلس 30 أبريل 2023) مسؤولية دورات SAHA في ماجستير إدارة الرعاية الصحية في جامعاتهم.
المسؤولون السابقون: هم الأساتذة الذين كانوا مسؤولين عن دورات SAHA في ماجستير إدارة الرعاية الصحية في الجامعات المعنية قبل 30 أبريل 2023.

LIMU

Subject	Responsible now (Prof.)	Responsible before (Prof.)
Introduction to Health Economics and Healthcare Management	Issa Ali	Issa Ali
Health Economics	Issa Ali	Issa Ali
Healthcare Management	Abdelbaset Elghriani	Abdelbaset Elghriani
Performance Management	Ali Omar	Ali Omar
Business Development	Sabri Elkrghli	Sabri Elkrghli
Telemedicine	Abdullah Elmansouri	Abdullah Elmansouri
MSc in HCM's coordinator	Sabri Elkrghli	Sabri Elkrghli

MU

Subject	Responsible now (Prof.)	Responsible before (Prof.)
Introduction to Health Economics and Healthcare Management	Introduction to Health Economics: Abdulhamid Elmagsabi* Introduction to Health care Management: Nabil Eljaaid*	Alsadek Mustafa
Health Economics		Abdulhamid A. Elmagsabi
Healthcare Management	Nabil Eljaaidi	Alsadek Mustafa
Performance Management		Mohamed Khalil
Business Development	Elsadiq Elfetouri	Hasin Haman
Telemedicine		Omar Danfour
MSc in HCM's coordinator	Abdulhamid A. Elmagsabi	Alsadeq Alfetouri

* The course has been divided into two parts.

SeU

Subject	Responsible now (Prof.)	Responsible before (Prof.)
Introduction to Health Economics and Healthcare Management	Abdelmenam Shebah	Mohammed Aboulgasim
Health Economics	Mousbah Ahmouda	Mousbah Ahmouda
Healthcare Management	Abdlrhman Alsonosi	Abdlrhman Alsonosi
Performance Management	Eisay Abuojalah	Salem Alfagira
Business Development	Ahmed Mohamed	Abdelmenam Shebah
Telemedicine	Tajdida Magayr	Tajdida Magayr
MSc in HCM's coordinator	Ibrahim Massoud	Ibrahim Massoud

SU

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Subject	Responsible now (Prof.)	Responsible before (Prof.)
Introduction to Health Economics and Healthcare Management	Ali Albrishni	Ali Albrishni
Health Economics	Fathaia Abobaker	Fathaia Abobaker
Healthcare Management	Musbah Salem	Eltayeb Elgobb
Performance Management	Eltayeb Elgobbi	Eltayeb Elgobbi
Business Development	Mohamed Dabnoon	Mohamed Dabnoon
Telemedicine	A. Alsadiq	A. Alsadiq
MSc in HCM's coordinator	Mohamed Dabnoon	Mohamed Dabnoon

UoT

Subject	Responsible now (Prof.)	Responsible before (Prof.)
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Introduction to Health Economics and Healthcare Management	Halima Daw Buni	Halima Daw Buni
Health Economics	Mahmoud Elmagbub	
Healthcare Management	SanaTaher Ashur	SanaTaher Ashur
Performance Management	Ibrahim Alhaj	Isa Salheen Belaid
Business Development	Samia Abuagela* Somaia Ammar*	Ridha Abdalah Aburaas
Telemedicine	Millad Alsaid Ghawil	Millad Alsaid Ghawil
MSc in HCM's coordinator	Najwa Ali Fituri	Najwa Ali Fituri

* The course is taught by two Professors.

ZU

Subject	Responsible now (Prof.)	Responsible before (Prof.)
Introduction to Health Economics and Healthcare Management	Hosein Elboiashi	Hosein Elboiashi
Health Economics	Hosein Elboiashi	Hatem Khpiza
Healthcare Management	Hatem Khpiza	Nada Hweissa
Performance Management	Ibrahim Alhaj	Ibrahim Alhaj
Business Development	Abdulsalam Albalazi	Abdulsalam Albalazi
Telemedicine	Hoda Tawel	Hoda Tawel
MSc in HCM's coordinator	Ibrahim Alhaj	Ibrahim Alhaj



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Cofinanziato dal
programma Erasmus+
dell'Unione europea



Annex I



Unimed



University Of Granada



University Of Wes Bohemia



LIMU



University Of Sirte



University Of Tripoli



University Of Zawia



University Of Misurata



University Of SEBHA

LIMU



قرار وزير التعليم العالي والبحث العلمي
رقم (373) لسنة 2023 م
بشأن منح الإذن لبعض الجامعات للبدء في برنامج الدراسات العليا
لمنح درجة الماجستير

وزير التعليم العالي والبحث العلمي:

- بعد الاطلاع على الإعلان الدستوري المؤقت وتعديلاته .
- وعلى الاتفاق السياسي الليبي الموقع في (17 ديسمبر 2015 ميلادي) .
- وعلى قرار مجلس النواب رقم (1) لسنة 2021م بشأن منح الثقة لحكومة الوحدة الوطنية .
- وزارة التعليم العالي والبحث العلمي وتنظيم جهازها الإداري .
- وعلى القانون رقم (12) لسنة (2010 مسيحي) بشأن إصدار قانون علاقات العمل ولائحته التنفيذية .
- وعلى القانون رقم (18) لسنة 2010 م بشأن التعليم .
- وعلى قرار اللجنة الشعبية العامة رقم (22) لسنة 2008م بشأن الهيكل التنظيمي للجامعات ومؤسسات التعليم العالي وتعديلاته .
- وعلى قرار اللجنة الشعبية العامة سابقا رقم (501) لسنة 2010م بشأن إصدار لائحة تنظيم التعليم العالي وتعديلاته .
- وعلى محضر اجتماع الدوري السادس لسنة 2023م للجنة العامة للدراسات العليا .
- وعلى كتاب السيد / رئيس اللجنة العامة للدراسات العليا رقم (لج .ع.د/36/2023) المؤرخ في (5/4/2023م) .

ق ر ر

مادة (1)

يتم بموجب احكام هذا القرار منح الإذن للجامعات المذكورة أدناه والمستوفية للشروط للبدء في برنامج الدرجة العالية (الماجستير) في بعض التخصصات وفقا للشروط المنصوص عليها .

ر.م	الجامعة	الكلية	القسم	البرنامج الأكاديمي
1	طرابلس	الطب البشري	إدارة الرعاية الصحية	الإدارة الصحية
		الهندسة	الإدارة الهندسية	الإدارة المحلية
		تقنية المعلومات	هندسة البرمجيات	تطوير البرمجيات
			نظم المعلومات	علم البيانات الحاسوبي
2	الزاوية	الاقتصاد	الإدارة	الإدارة الصحية
3	الدولية الليبية للعلوم الطبية	إدارة الاعمال	إدارة الرعاية الصحية	الإدارة الصحية
4	طبرق	الاقتصاد	المحاسبة	المحاسبة

مادة (2)

يناط بمركز ضمان جودة واعتماد المؤسسات التعليمية والتدريبية اتخاذ الإجراءات المتبعية لديه لاعتماد البرامج المتار اليها بالمادة الاولى من هذا القرار وفق التشريعات النافذة.

مادة (3)

يُعمل بهذا القرار من تاريخ صدوره وعلى الجهات المعنية تنفيذه

عمران محمد القصباني
وزير التعليم العالي والبحث العلمي



صدر في طرابلس
يوم الثلاثاء
بتاريخ 15/5/2023
ش.ق.و.....

MU



قرار وزير التعليم العالي والبحث العلمي
رقم (1611) لسنة 2022 ميلادي
بشأن منح الإذن للجامعات للبدء في برنامج الدراسات العليا
لمنح درجتي (الماجستير / الدكتوراه)

وزير التعليم العالي والبحث العلمي

- بعد الاطلاع علي الاعلان الدستور المؤقت، وتعديلاته.
- وعلى الاتفاق السياسي الليبي الموقع في 17 ديسمبر / 2015 ميلادي.
- وعلى القرار رقم (12) لسنة 2010م، بشأن اصدار قانون علاقات العمل ولائحته التنفيذية.
- وعلى قانون (18) لسنة 2021 بشأن التعليم.
- وعلى قرار مجلس النواب رقم (1) لسنة 2021 بشأن منح الثقة لحكومة الوحدة الوطنية.
- وعلى قرار مجلس الوزراء حكومة الوحدة الوطنية رقم (39) لسنة 2021م بشأن اعتماد الهيكل التنظيمي وتحديد اختصاصات وزارة التعليم العالي والبحث العلمي وتنظيم جهازها الإداري.
- وعلى قرار اللجنة الشعبية العامة (سابقاً) رقم (22) لسنة 2008م بشأن الهيكل التنظيمي للجامعات ومؤسسات التعليم العالي وتعديلاته.
- وعلى قرار اللجنة الشعبية العامة (سابقاً) رقم (501) لسنة 2010م بشأن اصدار لائحة تنظيم التعليم العالي وتعديلاته.
- وعلى محضر اجتماع اللجنة العامة للدراسات العليا الثالث المؤرخ في 2022/09/07م.
- ولدواعي المصلحة العامة.

ق ر ر

مادة (1)

يتم بموجب أحكام هذا القرار منح الأذن للجامعات الليبية بالشروع في تنفيذ البرامج الجديدة لدرجة الاجازة العالية (الماجستير) و لدرجة الاجازة الدقيقة (الدكتوراه) المستوفاة للشروط الأكاديمية المدونة أدناه، بشرط استكمال الشروط و الضوابط المنصوص عليها في التشريعات النافذة حسب معايير المركز الوطني لضمان جودة المؤسسات التعليمية و التدريبية، وذلك وفق الكشف المرفق.



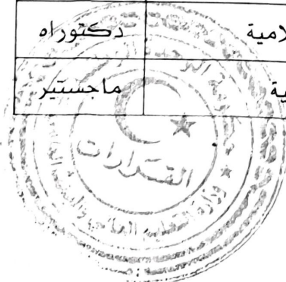


الكشف المرفق بقرار وزير التعليم العالي والبحث العلمي رقم (لسنة 2022م)

الجامعة	الكلية	التسم	البرنامج الأكاديمي	الدرجة
فزان	الاقتصاد والمحاسبة	إدارة الأعمال	إدارة الأعمال	ماجستير
			الإدارة والتنظيم	ماجستير
		المحاسبة	المحاسبة	ماجستير
النجم الساطع	الهندسة التقنية	الهندسة الكهربائية والإلكترونية	هندسة القوى	ماجستير
غريان	الأداب/الأصابع	الفلسفة	الفلسفة	ماجستير
سبها	الأداب/الجميل	علم الاجتماع	علم الاجتماع	ماجستير
الزاوية	التربية	علوم التربية	المناهج وطرائق التدريس العامة	ماجستير
			الإدارة التعليمية والتخطيط التربوي	ماجستير
			رياض الأطفال	ماجستير
المرقب	الاقتصاد والتجارة	المحاسبة	هندسة اتصالات	ماجستير
			المحاسبة	ماجستير
سرت	الاقتصاد	إدارة الأعمال	التمويل والمصارف	ماجستير
			العلوم السياسية	ماجستير
			الإدارة الصحية	ماجستير
سبها	الأداب	علم الاجتماع والخدمة الاجتماعية	التاريخ الحديث والمعاصر	ماجستير
			علم الاجتماع	ماجستير
الزيتونة	القانون	الشرعية الاسلامية	اللغة الانجليزية	ماجستير
			الشرعية	ماجستير
مصراتة	الاقتصاد والتجارة	الاقتصاد	الإدارة الصحية	ماجستير
			علم النفس التربوي	دكتوراه
بنغازي	الأداب	الجغرافيا	علم النفس	دكتوراه
			الجغرافيا الطبيعية	دكتوراه
			الجغرافيا البشرية	دكتوراه
	الصيدلة	الصيدلانيات	العلوم الصيدلانية	ماجستير



الدرجة	البرنامج الأكاديمي	القسم	الكلية	الجامعة
ماجستير	العلوم الصيدلانية	علم الأدوية والسموم العقاقير الكيمياء الصيدلانية	الصيدلة	بنغازي
ماجستير	طب الباطني	الباطنة	الطب البشري	درنة
ماجستير	جراحة عامة	الجراحة العامة		
ماجستير	الإعلام	الإعلام		
ماجستير	الأدبيات	اللغة العربية	الآداب	
ماجستير	اللغويات			
ماجستير	علم النفس	علم النفس		
ماجستير	علم الاجتماع	علم الاجتماع		
ماجستير	هندسة القوى الحرارية	الهندسة الميكانيكية	الهندسة	
ماجستير	علم النفس	علم النفس	الآداب	
ماجستير	إدارة الأعمال	إدارة الأعمال	الاقتصاد	
ماجستير	الحاسوب	الحاسوب	العلوم	
ماجستير	هندسة برمجيات			
ماجستير	الرياضيات			
ماجستير	الأمن السيبراني	الشبكات	تقنية المعلومات	
ماجستير	الشريعة والدراسات الإسلامية	الشريعة	العلوم الشرعية / تاجوراء	
دكتوراه	هندسة اتصالات	الهندسة الكهربائية	الهندسة	
	هندسة تحكم			
	هندسة قوى			
ماجستير	الشريعة والدراسات الإسلامية	الشريعة	التربية	
ماجستير	التفسير والحديث	أصول الدين	العلوم الشرعية - سوق الجمعة	
دكتوراه	الشريعة الإسلامية	القانون	القانون	
ماجستير	الفنون المرئية	الفنون المرئية	الفنون والإعلام	





مادة (2)

يعاد منح الأذن للجامعات الليبية التالية لتنفيذ برامج الدراسات العليا (الماجستير) كل حسب ما هو مبين بالجدول قرين اسم كل جامعة.

برامج (جامعة طرابلس)					
الدرجة	اسم البرنامج	القسم	الكلية	التخصص	
الماجستير	الدراسات اللغويات	اللغة العربية	الآداب	العلوم الانسانية	
	الدراسات الأدبية				
	الجغرافيا الطبيعية				
	الجغرافيا البشرية	الجغرافيا			
	علم اللغة التطبيقي				
	الأدب الانجليزي				
	علم اللغة النظري	اللغة الانجليزية	اللغات		
	الكيمياء الفيزيائية				
	الكيمياء التحليلية	الكيمياء	العلوم	العلوم الاساسية	
	الكيمياء العضوية				
	الكيمياء غير العضوية				
	الكيمياء الحيوية				
	رياضيات بحثة				الرياضيات
	رياضيات تطبيقية				
	جيولوجيا النفط				العلوم الجيولوجية
	الجيولوجيا التركيبية				
	الصخور الرسوبية				
	الصخور الصلبة والخامات				
	المياه الجوفية				
	الطبقات والمستحاثات				
علوم البيئة	علم الحيوان				
علوم البحار					
علم الحشرات					
علم الأحياء التطوري					



تابع برامج (جامعة طرابلس)				
الدرجة	اسم البرنامج	التقسيم	الكلية	التخصص
الماجستير	هندسة الإنشاءات	هندسة مدنية	الهندسة	العلوم الهندسية
	هندسة جيوتقنية			
	هندسة هيدروليكية ومصادر مياه			
	هندسة البيئة			
	هندسة الطرق			
	هندسة المرور			
	هندسة المساحة			
	هندسة القوى الميكانيكية	الهندسة الميكانيكية		
	هندسة التصنيع			
	الهندسة الصناعية			
	الميكانيكا التطبيقية	الهندسة الكهربائية والإلكترونية		
	هندسة التحكم والحاسوب			
	هندسة القوى			
	هندسة الاتصالات والإلكترونيات	هندسة الحاسوب		
	هندسة الحاسوب 1			
	هندسة الحاسوب 2			
	هندسة العمارة والتصميم الحضري	عمارة والتخطيط العمراني		
	هندسة بتروفيزياء (1)	الهندسة الجيولوجية		
	هندسة بتروفيزياء (2)			
	هندسة الموارد المائية (1)			
	هندسة الموارد المائية (2)			
	الهندسة الجيوتقنية	هندسة الطيران		
	هندسة الموارد المعدنية			
	هندسة الديناميكا الهوائية والمحركات			
هندسة الهياكل والتصميم	الهندسة البحرية والمنصات العائمة			
هندسة ميكانيكا الطيران والتحكم الآلي				
الهندسة البحرية				
هندسة المنصات العائمة				





تابع برامج (جامعة طرابلس)						
الدرجة	اسم البرنامج	القسم	الكلية	التخصص		
الماجستير	هندسة التطبيقات الإشعاعية	الهندسة النووية	الهندسة	العلوم الهندسية		
	هندسة المفاعلات النووية					
	إدارة هندسة الإنشاءات (1)	الإدارة الهندسية				
	إدارة هندسة الإنشاءات (2)					
	إدارة هندسة الإنتاج (1)					
	إدارة هندسة الإنتاج (2)					
	إدارة الطاقة (1)					
	إدارة الطاقة (2)					
	هندسة الطاقات المتجددة والاستدامة (1)					
	هندسة الطاقات المتجددة والاستدامة (2)					
	الهندسة الكيميائية 1	الهندسة الكيميائية				
	الهندسة الكيميائية 2					
	هندسة النفط	هندسة النفط				
	هندسة استخراج الخامات	هندسة التعدين				
	هندسة المواد و المعادن	هندسة المواد و المعادن				
	الكيمياء الحيوية السريرية	الكيمياء الحيوية			الصيدلة	العلوم الطبية
	الكيمياء الطبية والصيدلية					
	تقنية علوم المختبرات الطبية	المختبرات الطبية			التقنية الطبية	
التغذية	التغذية	الصحة العامة				
علم التمريض	علم التمريض	التمريض				
طب الفم والتشخيص والأشعة	امراض و طب و جراحة الفم و الفكين	طب الاسنان				
جراحة الفم والفكين						
علاج وجراحة اللثة وزراعة الأسنان						





برامج (جامعة بنغازي)					
درجة	اسم البرنامج	القسم	الكلية	التخصص	
المجستير	الدراسات اللغويات	اللغة العربية	الأداب	العلوم الانسانية	
	الدراسات الأدبية				
	التاريخ القديم				
	التاريخ الوسيط				
	التاريخ الاسلامي				
	التاريخ الحديث و المعاصر				
	الجغرافيا الطبيعية	الجغرافيا			
	الجغرافيا البشرية				
	الخدمة الاجتماعية	الخدمة الاجتماعية			
	المناهج وطرق التدريس	الدراسات التربوية و النفسية	التربية / المرج		
	التربية الخاصة				
	الدراسات التربوية				
	علم اللغة التطبيقي	اللغة الانجليزية	اللغات		
	علم اللغة ودراسات الترجمة				
	التدريس	المناهج و طرق التدريس	التربية البدنية وعلوم الرياضة		
	التدريب	التدريب الرياضي وعلوم الحركة			
	إعادة التأهيل والعلاج الطبيعي	الإصابات و التأهيل الحركي			
	الإدارة العامة	الإدارة العامة	اقتصاد وعلوم سياسية		العلوم الادارية و المالية
	التمويل والمصارف	التمويل والمصارف			
	التسويق	التسويق			
الاحياء الدقيقة	علم الحيوان	العلوم	العلوم		
هندسة الإنشاءات	الهندسة المدنية	الهندسة	العلوم الهندسية		
هندسة جيو تقنية					
هندسة هيدروليكية ومصادر					
هندسة التصنيع	الهندسة الصناعية ونظم التصنيع				





تابع برامج (جامعة بنغازي)						
درجة	اسم البرنامج	القسم	الكلية	التخصص		
الماجستير	هندسة صناعية	الهندسة الميكانيكية والصناعية	الهندسة	العلوم الهندسية		
	هندسة الموائع والحراريات					
	هندسة الميكانيكا التطبيقية					
	هندسة التحكم	الكهربائية والإلكترونية				
	هندسة القوى					
	هندسة الاتصالات والإلكترونيات	العمارة والتخطيط العمراي				
	هندسة العمارة					
	هندسة التصميم الحضري					
	هندسة برمجيات	هندسة برمجيات نظم معلومات شبكات علوم الحاسوب			تقنية المعلومات	تقنية معلومات
	نظم معلومات					
	شبكات الحاسوب					
	علوم حاسوب					
	الامراض المعدية	الصحة العامة			الصحة العامة	العلوم الطبية

برامج (جامعة الزاوية)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الدراسات اللغوية	اللغة العربية	الآداب	العلوم الانسانية
	الدراسات الأدبية			
	التاريخ الاسلامي	التاريخ		
	التاريخ الحديث والمعاصر			
	الجغرافيا الطبيعية	الجغرافيا		
	الجغرافيا البشرية			
	الاعلام	الاعلام		
الوسائط المتعددة	الفنون			



تابع برامج (جامعة الزاوية)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الكيمياء التحليلية	الكيمياء	العلوم	العلوم الأساسية
	الكيمياء العضوية			
	الكيمياء غير العضوية			
	الكيمياء الحيوية	النبات		
	علم النبات			
	الاحياء الدقيقة			
	علوم الأرض الجيولوجيا	علوم الأرض الجيولوجية		
	علم الحاسب الآلى	علم الحاسب الآلى		

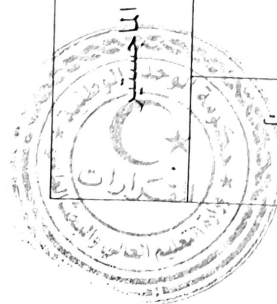
برامج (جامعة سبها)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الدراسات اللغوية	اللغة العربية	الآداب	العلوم الانسانية
	الدراسات الأدبية			
	التربة والمياه	الزراعة	الزراعة	العلوم الزراعية

برامج (جامعة مصراتة)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الجغرافيا الطبيعية	الجغرافيا	الآداب	العلوم الانسانية
	الجغرافيا البشرية			
	الدراسات السياحية			
	علم اللغة التطبيقي	اللغة الانجليزية	اللغات	
	الأدب الانجليزي			
	علم اللغة النظري			



تابع برامج (جامعة مصراتة)						
درجة	اسم البرنامج	القسم	الكلية	التخصص		
الماجستير	الكيمياء السيزيائية	الكيمياء	العلوم	العلوم الاساسية		
	الكيمياء التحليلية					
	الكيمياء العضوية					
	الكيمياء غير العضوية					
	الكيمياء الحيوية					
	الكيمياء الصناعية					
	علم النبات	علم النبات				
	علم الحيوان	علم الحيوان				
	الاحياء الدقيقة					
	الاحياء الدقيقة الطبية	الاحياء				
	هندسة التحكم	الهندسة الكهربية والإلكترونية			الهندسة	العلوم الهندسية
	هندسة القوى					
	الاتصالات والإلكترونيات					
	القوى الميكانيكية	الهندسة الميكانيكية والصناعية				

برامج (جامعة غريان)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
	هندسة التحكم	الهندسة الكهربية والإلكترونية	الهندسة	العلوم الهندسية
	هندسة القوى			
	هندسة الاتصالات والإلكترونيات			





برامج (جامعة عمر المختار)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماستر	الاحياء الدقيقة للأغذية	علوم الاغذية	الزراعة	العلوم الزراعية و البيئية
	تقنية الأغذية			
	تغذية حيوان	الانتاج الحيواني		
	تربية حيوان			
	فسيولوجيا حيوان			
	الحشائش	وقاية النبات		
	تسويق زراعي	الاقتصاد الزراعي		
	التمويل الزراعي			
	اقتصاديات إنتاج			
	التربة و المياه	التربة و المياه		
	إنتاج محاصيل	المحاصيل		
	فسيولوجي محاصيل			
البستنة	قسم البستنة			

برامج (جامعة الاسمرية)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماستر	الفقه الإسلامي	الشريعة	الشريعة والقانون	العلوم الانسانية
	أصول الفقه			
	الفقه المقارن			
	السياسة الشرعية			
	تفسير القرآن وعلومه	التفسير و الحديث		
	الحديث النبوي وعلومه			





برامج (جامعة الزيتونة)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	علم النفس الاجتماعي	التربية وعلم النفس	التربية	العلوم الانسانية
	التربية الخاصة			
	اللغويات (النحو والصرف)	اللغة العربية	اللغات	
	الأدبيات (الأدب والنقد)			
	التمويل والمصارف			
	الاقتصاد			

برامج (جامعة سرت)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	علم الحاسب الآلي	علم الحاسب الآلي	العلوم	العلوم الأساسية

مادة (3)

يتم إعادة منح الأذن للجامعات الليبية التالية لتنفيذ برنامج الدرجة العالية (الماجستير) الممنوحة باسماء الأقسام المانحة للدرجة بمسميات البرامج المدونة أدناه.





برامج (جامعة طرابلس)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الانسجة والوراثة	الانسجة والوراثة	الطب البشري	العلوم الطبية
	علم الأدوية	علم الأدوية	الصيدلة	
	الميدلانيات	الميدلانيات		
	علم العقاقير	علم العقاقير		
	الأحياء الدقيقة والمناعة	الأحياء الدقيقة والمناعة		

برامج (جامعة مصراتة)					
الدرجة	اسم البرنامج	القسم	الكلية	التخصص	
الماجستير	الدراسات اللغوية	اللغة العربية	الآداب	العلوم الانسانية	
	الدراسات الأدبية				
	التاريخ القديم	التاريخ			
	التاريخ الاسلامي				
	التاريخ الحديث والمعاصر				
	اللغويات (النحو والصرف)	اللغة العربية	اللغات		
	الأدبيات (الأدب والنقد)				
	المحاسبة	المحاسبة	اقتصاد وعلوم سياسية		العلوم الادارية و المالية
	إدارة أعمال				





برامج (جامعة سبها)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الكيمياء الفيزيائية	الكيمياء	العلوم	العلوم الأساسية
	الكيمياء التحليلية			
	الكيمياء العضوية			
	الكيمياء غير العضوية			
	الكيمياء الحيوية			
	الفيزياء النووية	الفيزياء		
	فيزياء الحالة الصلبة	علم النبات		
	علم النبات			
	علم الحشرات			
	علم الفسيولوجي			
	علم البيئة والسلوك			
	علم الوراثة			
	علم الطفيليات			
	علم الدم و المناعة			
الهندسة الكيميائية (1)	الهندسة الكيميائية		الهندسة	العلوم الهندسية

برامج (جامعة صبراتة)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	هندسة القوى الكهربائية	الهندسة الكهربائية و الإلكترونية	الهندسة	العلوم الهندسية
	هندسة التحكم الآلي			
	هندسة الاتصالات			
	هندسة القوى الميكانيكية	الهندسة الميكانيكية		
هندسة بيئية	الهندسة البيئية			



تابع برامج (جامعة صبراتة)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماستر	هندسة الانشاءات	الهندسة المدنية	الهندسة	العلوم الهندسية
	الهندسة الكيميائية	الهندسة الكيميائية		
	تقنية المعلومات	تقنية المعلومات		
	هندسة برمجيات			
	شبكات			
	لغة انجليزية	لغة انجليزية	الأداب - صبراتة	العلوم الانسانية
	قانون جنائي	القسم الجنائي	القانون - زلطن	
	رياضيات	رياضيات	العلوم	العلوم الاساسية
	علوم سياسية	علوم سياسية	الاقتصاد صرمان	العلوم الاقتصادية و المالية
	محاسبة	محاسبة		

برامج (جامعة ليبيا المفتوحة)				
الدرجة	اسم البرنامج	الشعبة	القسم	التخصص
الماستر	جراحة الحروق و التجميل	العلوم الصحية و الدوائية	العلوم الصحية و الدوائية	العلوم الطبية
	أمراض السكري			
	أمراض النساء و التوليد			
	جراحة المسالك البولية			
	جراحة الفم و الاسنان			
	الأطفال			
	أمراض الروماتيزم			
	أمراض الكلى			
	أمراض الجلدية			
	هندسة التحكم و القياسات	الهندسة الكهربائية	قسم العلوم الهندسية	العلوم الهندسية
هندسة الاتصالات و الإلكترونيات				
هندسة القوى الكهربائية				





تابع برامج (جامعة ليبيا المفتوحة)						
الدرجة	اسم البرنامج	الشعبة	التسم	التخصص		
الماستر	هندسة إدارة التنفيذ	الهندسة المدنية	قسم العلوم الهندسية	العلوم الهندسية		
	هندسة المواد والرصف					
	هندسة الإنشاءات					
	إدارة هندسة الإنشاءات	الإدارة الهندسية				
	إدارة الهندسة الصناعية					
	تطبيقات التحكم والإلكترونيات					
	الهندسة الميكانيكية	الميكاترونك				
	هندسة الحاسوب					
	هندسة الطيران					
	هندسة النفط	الهندسة النفطية				
	هندسة المواد والمعادن	المواد و المعادن				
	المحاسبة المالية	المحاسبة			المحاسبة	العلوم الادارية و المالية
	المراجعة					
	المحاسبة الادارية					
	المحاسبة الحكومية و الضرائب					
	القانون الاقتصادي	القانون			قسم العلوم القانونية	العلوم الانسانية
	القانون الإداري والنظم السياسية					
	القانون الدولي					
القانون الجنائي						
اللغويات	اللغة العربية	قسم اللغة العربية				
الأدبيات						





مادة (4)

تجمد مؤقتاً كافة برامج العلوم التطبيقية والطبية الغير ممنوحة الإذن بفروع الأكاديمية الليبية وعدم قبول طلبية حتى يتم معالجة أوضاعهم الأكاديمية حسب الضوابط والشروط المدونة بالتشريعات النافذة، على ان تمنح هذه الفروع مدة (ثلاث أشهر) لتسوية أوضاع برامجها. وتسري هذه المادة كذلك على برامج التخصصات المختلفة للجامعات الممنوحة الاذن سابقا بدون مستندات وبدون موافقة اللجنة العامة للدراسات العليا حسب المادة الثانية من القرارات الصادرة لهم.

مادة (5)

يناط بمركز ضمان الجودة واعتماد المؤسسات التعليمية والتدريبية اتخاذ الإجراءات المتبعة لديه لاعتماد البرامج الأكاديمية المشار إليها بهذا القرار.

مادة (6)

تجمد مؤقتاً كافة البرامج الأكاديمية التي لم تستوف شروط معايير الجودة.

مادة (7)

يعمل بهذا القرار من تاريخ صدوره وعلى الجهات المعنية بالتنفيذ.

عمران محمد القيب
وزير التعليم العالي والبحث العلمي



صدر في طرابلس
يوم 11/12/2022 م
بتاريخ 11/12/2022 م
ش.ق.ر.

SeU

قرار وزير التعليم العالي والبحث العلمي
رقم (1773) لسنة 2022 م

بشأن منح الإذن لتكليه التجارة والعلوم السياسية - جامعة سبها للبدء في برنامج الدراسات العليا
(درجة الماجستير في إدارة المرافق الصحية)

وزير التعليم العالي والبحث العلمي:

- بعد الاطلاع على الإعلان الدستوري المؤقت وتعديلاته .
- وعلى الاتفاق السياسي الليبي الموقع في (17 ديسمبر 2015 ميلادي) .
- وعلى قرار مجلس النواب رقم (1) لسنة 2021م بشأن منح الثقة لحكومة الوحدة الوطنية .
- وعلى قرار مجلس وزراء حكومة الوحدة الوطنية رقم (39) لسنة 2021م بشأن اعتماد الهيكل التنظيمي وتحديد الاختصاصات ووزارة
العالي والبحث العلمي وتنظيم جهازها الإداري .
- وعلى القانون رقم (12) لسنة (2010 مسيحي) بشأن إصدار قانون علاقات العمل ولائحته التنفيذية .
- وعلى القانون رقم (18) لسنة 2010 م بشأن التعليم .
- وعلى قرار اللجنة الشعبية العامة رقم (22) لسنة 2008م بشأن الهيكل التنظيمي للجامعات ومؤسسات التعليم العالي وتعديلاته .
- وعلى قرار اللجنة الشعبية العامة سابقاً رقم (501) لسنة 2010م بشأن إصدار لائحة تنظيم التعليم العالي وتعديلاته .
- وعلى كتاب رئيس جامعة سبها رقم (4821) المؤرخ في (2022/9/11)م .
- وعلى كتاب السيد / مدير إدارة الشؤون القانونية والشكاوي رقم (ش في 17 - 2138) المؤرخ في (2022/10/26)م .
- وعلى كتاب السيد / رئيس جامعة سبها رقم (7268) المؤرخ في (2022/12/22)م .

ق ر ر
مادة (1)

يتم بموجب أحكام هذا القرار منح الإذن لتكليه التجارة والعلوم السياسية بجامعة سبها للبدء في برنامج
العليا الماجستير في إدارة المرافق الصحية ، تحت برنامج الإبراسموس بلص الممول من المفوضية الأوروبية بـ
her education, health sector for the benefit of local society (SAHA) PROJECT REFERENCE
618491-EPP-I-2020-1-IT-EPTKA2-CBHE-JP* .

مادة (2)

يشترط للبدء ببرنامج الدراسات العليا (للماستير) موافقة اللجنة العامة الدراسات العليا واعتماد مركز
واعتماد المؤسسات التعليمية والتدريبية .

مادة (3)

يعمل بهذا القرار من تاريخ صدوره وعلى الجهات المعنية تنفيذه .

عمران محمد القيب

وزير التعليم العالي والبحث العلمي



مقر رئيس في مقر
يوم 14 / 12 / 2022
بتاريخ 14 / 12 / 2022
م رقم

SU



قرار وزير التعليم العالي والبحث العلمي
رقم (1611) لسنة 2022 ميلادي
بشأن منح الإذن للجامعات للبدء في برنامج الدراسات العليا
لمنح درجتي (الماجستير / الدكتوراه)

وزير التعليم العالي والبحث العلمي

- بعد الاطلاع علي الاعلان الدستور المؤقت، وتعديلاته.
- وعلى الاتفاق السياسي الليبي الموقع في 17 ديسمبر / 2015 ميلادي.
- وعلى القرار رقم (12) لسنة 2010م، بشأن اصدار قانون علاقات العمل ولائحته التنفيذية.
- وعلى قانون (18) لسنة 2021 بشأن التعليم.
- وعلى قرار مجلس النواب رقم (1) لسنة 2021 بشأن منح الثقة لحكومة الوحدة الوطنية.
- وعلى قرار مجلس الوزراء حكومة الوحدة الوطنية رقم (39) لسنة 2021م بشأن اعتماد الهيكل التنظيمي وتحديد اختصاصات وزارة التعليم العالي والبحث العلمي وتنظيم جهازها الإداري.
- وعلى قرار اللجنة الشعبية العامة (سابقاً) رقم (22) لسنة 2008م بشأن الهيكل التنظيمي للجامعات ومؤسسات التعليم العالي وتعديلاته.
- وعلى قرار اللجنة الشعبية العامة (سابقاً) رقم (501) لسنة 2010م بشأن اصدار لائحة تنظيم التعليم العالي وتعديلاته.
- وعلى محضر اجتماع اللجنة العامة للدراسات العليا الثالث المؤرخ في 2022/09/07م.
- ولدواعي المصلحة العامة.

ق ر ر

مادة (1)

يتم بموجب أحكام هذا القرار منح الأذن للجامعات الليبية بالشروع في تنفيذ البرامج الجديدة لدرجة الاجازة العالية (الماجستير) و لدرجة الاجازة الدقيقة (الدكتوراه) المستوفاة للشروط الأكاديمية المدونة أدناه، بشرط استكمال الشروط و الضوابط المنصوص عليها في التشريعات النافذة حسب معايير المركز الوطني لضمان جودة المؤسسات التعليمية و التدريبية، وذلك وفق الكشف المرفق.



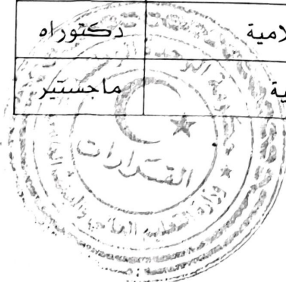


الكشف المرفق بقرار وزير التعليم العالي والبحث العلمي رقم (لسنة 2022م)

الجامعة	الكلية	التسم	البرنامج الأكاديمي	الدرجة
فزان	الاقتصاد والمحاسبة	إدارة الأعمال	إدارة الأعمال	ماجستير
			الإدارة والتنظيم	ماجستير
		المحاسبة	المحاسبة	ماجستير
النجم الساطع	الهندسة التقنية	الهندسة الكهربائية والإلكترونية	هندسة القوى	ماجستير
غريان	الأداب/الأصابع	الفلسفة	الفلسفة	ماجستير
سبها	الأداب/الجميل	علم الاجتماع	علم الاجتماع	ماجستير
الزاوية	التربية	علوم التربية	المناهج وطرائق التدريس العامة	ماجستير
			الإدارة التعليمية والتخطيط التربوي	ماجستير
			رياض الأطفال	ماجستير
المرقب	الاقتصاد والتجارة	المحاسبة	هندسة اتصالات	ماجستير
			المحاسبة	ماجستير
سرت	الاقتصاد	التمويل والمصارف	التمويل والمصارف	ماجستير
			العلوم السياسية	ماجستير
		الآداب	الآداب	إدارة الأعمال
التاريخ	التاريخ الحديث والمعاصر			
سبها	الآداب	علم الاجتماع والخدمة الاجتماعية	علم الاجتماع	ماجستير
			اللغة الانجليزية	اللغة الانجليزية
الزيتونة	القانون	الشريعة الاسلامية	الشريعة	ماجستير
مصراة	الاقتصاد والتجارة	الاقتصاد	الإدارة الصحية	ماجستير
بنغازي	الآداب	علم النفس	علم النفس التربوي	دكتوراه
			علم النفس	دكتوراه
	الصيدلة	الصيدلانيات	الجغرافيا	الجغرافيا الطبيعية
الجغرافيا البشرية				دكتوراه
			العلوم الصيدلانية	ماجستير



الدرجة	البرنامج الأكاديمي	القسم	الكلية	الجامعة
ماجستير	العلوم الصيدلانية	علم الأدوية والسموم العقاقير الكيمياء الصيدلانية	الصيدلة	بنغازي
ماجستير	طب الباطني	الباطنة	الطب البشري	درنة
ماجستير	جراحة عامة	الجراحة العامة		
ماجستير	الإعلام	الإعلام		
ماجستير	الأدبيات	اللغة العربية	الآداب	
ماجستير	اللغويات			
ماجستير	علم النفس	علم النفس		
ماجستير	علم الاجتماع	علم الاجتماع		
ماجستير	هندسة القوى الحرارية	الهندسة الميكانيكية	الهندسة	
ماجستير	علم النفس	علم النفس	الآداب	
ماجستير	إدارة الأعمال	إدارة الأعمال	الاقتصاد	
ماجستير	الحاسوب	الحاسوب	العلوم	
ماجستير	هندسة برمجيات			
ماجستير	الرياضيات			
ماجستير	الأمن السيبراني	الشبكات	تقنية المعلومات	
ماجستير	الشريعة والدراسات الإسلامية	الشريعة	العلوم الشرعية / تاجوراء	
دكتوراه	هندسة اتصالات	الهندسة الكهربائية	الهندسة	
	هندسة تحكم			
	هندسة قوى			
ماجستير	الشريعة والدراسات الإسلامية	الشريعة	التربية	
ماجستير	التفسير والحديث	أصول الدين	العلوم الشرعية - سوق الجمعة	
دكتوراه	الشريعة الإسلامية	القانون	القانون	
ماجستير	الفنون المرئية	الفنون المرئية	الفنون والإعلام	





مادة (2)

يعاد منح الأذن للجامعات الليبية التالية لتنفيذ برامج الدراسات العليا (الماجستير) كل حسب ما هو مبين بالجدول قرين اسم كل جامعة.

برامج (جامعة طرابلس)					
الدرجة	اسم البرنامج	القسم	الكلية	التخصص	
الماجستير	الدراسات اللغويات	اللغة العربية	الآداب	العلوم الانسانية	
	الدراسات الأدبية				
	الجغرافيا الطبيعية				
	الجغرافيا البشرية	الجغرافيا			
	علم اللغة التطبيقي				
	الأدب الانجليزي	اللغة الانجليزية	اللغات		
	علم اللغة النظري				
	الكيمياء الفيزيائية	الكيمياء	العلوم	العلوم الاساسية	
	الكيمياء التحليلية				
	الكيمياء العضوية				
	الكيمياء غير العضوية				
	الكيمياء الحيوية				
	رياضيات بحثة				الرياضيات
	رياضيات تطبيقية				
	جيولوجيا النفط				العلوم الجيولوجية
	الجيولوجيا التركيبية				
	الصخور الرسوبية				
	الصخور الصلبة والخامات				
	المياه الجوفية				
	الطبقات والمستحاثات				
علوم البيئة	علم الحيوان				
علوم البحار					
علم الحشرات					
علم الأحياء التطوري					



تابع برامج (جامعة طرابلس)				
الدرجة	اسم البرنامج	التقسيم	الكلية	التخصص
الماجستير	هندسة الإنشاءات	هندسة مدنية	الهندسة	العلوم الهندسية
	هندسة جيوتقنية			
	هندسة هيدروليكية ومصادر مياه			
	هندسة البيئة			
	هندسة الطرق			
	هندسة المرور			
	هندسة المساحة			
	هندسة القوى الميكانيكية	الهندسة الميكانيكية		
	هندسة التصنيع			
	الهندسة الصناعية			
	الميكانيكا التطبيقية	الهندسة الكهربائية والإلكترونية		
	هندسة التحكم والحاسوب			
	هندسة القوى			
	هندسة الاتصالات والإلكترونيات	هندسة الحاسوب		
	هندسة الحاسوب 1			
	هندسة الحاسوب 2	عمارة والتخطيط العمراني		
	هندسة العمارة والتصميم الحضري			
	هندسة بتروفيزياء (1)	الهندسة الجيولوجية		
	هندسة بتروفيزياء (2)			
	هندسة الموارد المائية (1)			
	هندسة الموارد المائية (2)			
	الهندسة الجيوتقنية	هندسة الطيران		
	هندسة الموارد المعدنية			
	هندسة الديناميكا الهوائية والمحركات			
	هندسة الهياكل والتصميم	الهندسة البحرية والمنصات العائمة		
	هندسة ميكانيكا الطيران والتحكم الآلي			
الهندسة البحرية				
هندسة المنصات العائمة				





تابع برامج (جامعة طرابلس)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	هندسة التطبيقات الإشعاعية	الهندسة النووية	الهندسة	العلوم الهندسية
	هندسة المفاعلات النووية			
	إدارة هندسة الإنشاءات (1)	الإدارة الهندسية		
	إدارة هندسة الإنشاءات (2)			
	إدارة هندسة الإنتاج (1)			
	إدارة هندسة الإنتاج (2)			
	إدارة الطاقة (1)			
	إدارة الطاقة (2)			
	هندسة الطاقات المتجددة والاستدامة (1)			
	هندسة الطاقات المتجددة والاستدامة (2)			
	الهندسة الكيميائية 1	الهندسة الكيميائية		
	الهندسة الكيميائية 2			
	هندسة النفط	هندسة النفط		
	هندسة استخراج الخامات	هندسة التعدين		
	هندسة المواد و المعادن	هندسة المواد و المعادن		
	الكيمياء الحيوية السريرية	الكيمياء الحيوية	الصيدلة	العلوم الطبية
	الكيمياء الطبية والصيدلية			
	تقنية علوم المختبرات الطبية	المختبرات الطبية	التقنية الطبية	
	التغذية	التغذية	الصحة العامة	
	علم التمريض	علم التمريض	التمريض	
طب الفم والتشخيص والأشعة	امراض و طب و جراحة الفم و الفكين	طب الاسنان		
جراحة الفم والفكين				
علاج وجراحة اللثة وزراعة الأسنان				





برامج (جامعة بنغازي)					
درجة	اسم البرنامج	القسم	الكلية	التخصص	
المجستير	الدراسات اللغويات	اللغة العربية	الأداب	العلوم الانسانية	
	الدراسات الأدبية				
	التاريخ القديم				
	التاريخ الوسيط				
	التاريخ الاسلامي				
	التاريخ الحديث و المعاصر				
	الجغرافيا الطبيعية	الجغرافيا			
	الجغرافيا البشرية				
	الخدمة الاجتماعية	الخدمة الاجتماعية			
	المناهج وطرق التدريس	الدراسات التربوية و النفسية	التربية / المرج		
	التربية الخاصة				
	الدراسات التربوية				
	علم اللغة التطبيقي	اللغة الانجليزية	اللغات		
	علم اللغة ودراسات الترجمة				
	التدريس	المناهج و طرق التدريس	التربية البدنية وعلوم الرياضة		
	التدريب	التدريب الرياضي وعلوم الحركة			
	إعادة التأهيل والعلاج الطبيعي	الإصابات و التأهيل الحركي			
	الإدارة العامة	الإدارة العامة	اقتصاد وعلوم سياسية		العلوم الادارية و المالية
	التمويل والمصارف	التمويل والمصارف			
	التسويق	التسويق			
الاحياء الدقيقة	علم الحيوان	العلوم	العلوم		
هندسة الإنشاءات	الهندسة المدنية	الهندسة	العلوم الهندسية		
هندسة جيوتقنية					
هندسة هيدروليكية ومصادر					
هندسة التصنيع	الهندسة الصناعية ونظم التصنيع				





تابع برامج (جامعة بنغازي)						
درجة	اسم البرنامج	القسم	الكلية	التخصص		
الماجستير	هندسة صناعية	الهندسة الميكانيكية والصناعية	الهندسة	العلوم الهندسية		
	هندسة الموائع والحراريات					
	هندسة الميكانيكا التطبيقية					
	هندسة التحكم	الكهربائية والإلكترونية				
	هندسة القوى					
	هندسة الاتصالات والإلكترونيات	العمارة والتخطيط العمرائي				
	هندسة العمارة					
	هندسة التصميم الحضري					
	هندسة برمجيات	هندسة برمجيات نظم معلومات شبكات علوم الحاسوب			تقنية المعلومات	تقنية معلومات
	نظم معلومات					
	شبكات الحاسوب					
	علوم حاسوب					
	الامراض المعدية	الصحة العامة			الصحة العامة	العلوم الطبية

برامج (جامعة الزاوية)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الدراسات اللغوية	اللغة العربية	الآداب	العلوم الانسانية
	الدراسات الأدبية			
	التاريخ الاسلامي	التاريخ		
	التاريخ الحديث والمعاصر			
	الجغرافيا الطبيعية	الجغرافيا		
	الجغرافيا البشرية			
	الاعلام	الاعلام		
الوسائط المتعددة	الفنون			



تابع برامج (جامعة الزاوية)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الكيمياء التحليلية	الكيمياء	العلوم	العلوم الاساسية
	الكيمياء العضوية			
	الكيمياء غير العضوية			
	الكيمياء الحيوية	النبات		
	علم النبات			
	الاحياء الدقيقة			
	علوم الأرض الجيولوجيا	علوم الأرض الجيولوجية		
	علم الحاسب الآلى	علم الحاسب الآلى		

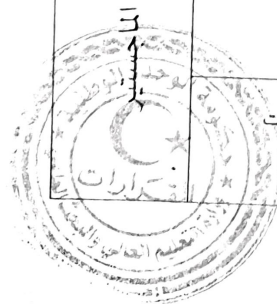
برامج (جامعة سبها)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الدراسات اللغوية	اللغة العربية	الآداب	العلوم الانسانية
	الدراسات الأدبية			
	التربة والمياه	الزراعة	الزراعة	العلوم الزراعية

برامج (جامعة مصراتة)				
درجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الجغرافيا الطبيعية	الجغرافيا	الآداب	العلوم الانسانية
	الجغرافيا البشرية			
	الدراسات السياحية			
	علم اللغة التطبيقي	اللغة الانجليزية	اللغات	
	الأدب الانجليزي			
	علم اللغة النظري			



تابع برامج (جامعة مصراتة)						
درجة	اسم البرنامج	القسم	الكلية	التخصص		
الماجستير	الكيمياء السيزيائية	الكيمياء	العلوم	العلوم الاساسية		
	الكيمياء التحليلية					
	الكيمياء العضوية					
	الكيمياء غير العضوية					
	الكيمياء الحيوية					
	الكيمياء الصناعية					
	علم النبات	علم النبات				
	علم الحيوان	علم الحيوان				
	الاحياء الدقيقة					
	الاحياء الدقيقة الطبية	الاحياء				
	هندسة التحكم	الهندسة الكهربية والإلكترونية			الهندسة	العلوم الهندسية
	هندسة القوى					
	الاتصالات والإلكترونيات					
	القوى الميكانيكية	الهندسة الميكانيكية والصناعية				

برامج (جامعة غريان)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
	هندسة التحكم	الهندسة الكهربية والإلكترونية	الهندسة	العلوم الهندسية
	هندسة القوى			
	هندسة الاتصالات والإلكترونيات			





برامج (جامعة عمر المختار)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماستر	الاحياء الدقيقة للأغذية	علوم الاغذية	الزراعة	العلوم الزراعية و البيئية
	تقنية الأغذية			
	تغذية حيوان	الانتاج الحيواني		
	تربية حيوان			
	فسيولوجيا حيوان			
	الحشائش	وقاية النبات		
	تسويق زراعي	الاقتصاد الزراعي		
	التمويل الزراعي			
	اقتصاديات إنتاج			
	التربة و المياه	التربة و المياه		
	إنتاج محاصيل	المحاصيل		
	فسيولوجي محاصيل			
البستنة	قسم البستنة			

برامج (جامعة الاسمرية)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماستر	الفقه الإسلامي	الشريعة	الشريعة والقانون	العلوم الانسانية
	أصول الفقه			
	الفقه المقارن			
	السياسة الشرعية			
	تفسير القرآن وعلومه	التفسير و الحديث		
	الحديث النبوي وعلومه			





برامج (جامعة الزيتونة)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	علم النفس الاجتماعي	التربية وعلم النفس	التربية	العلوم الانسانية
	التربية الخاصة			
	اللغويات (النحو والصرف)	اللغة العربية	اللغات	
	الأدبيات (الأدب والنقد)			
	التمويل والمصارف			
	الاقتصاد			

برامج (جامعة سرت)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	علم الحاسب الآلي	علم الحاسب الآلي	العلوم	العلوم الأساسية

مادة (3)

يتم إعادة منح الأذن للجامعات الليبية التالية لتنفيذ برنامج الدرجة العالية (الماجستير) الممنوحة باسماء الأقسام المانحة للدرجة بمسميات البرامج المدونة أدناه.





برامج (جامعة طرابلس)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الانسجة والوراثة	الانسجة والوراثة	الطب البشري	العلوم الطبية
	علم الأدوية	علم الأدوية	الصيدلة	
	المسيداتانيات	المسيداتانيات		
	علم العقاقير	علم العقاقير		
	الأحياء الدقيقة والمناعة	الأحياء الدقيقة والمناعة		

برامج (جامعة مصراتة)					
الدرجة	اسم البرنامج	القسم	الكلية	التخصص	
الماجستير	الدراسات اللغوية	اللغة العربية	الآداب	العلوم الانسانية	
	الدراسات الأدبية				
	التاريخ القديم	التاريخ			
	التاريخ الاسلامي				
	التاريخ الحديث والمعاصر				
	اللغويات (النحو والصرف)	اللغة العربية	اللغات		
	الأدبيات (الأدب والنقد)				
	المحاسبة	المحاسبة	اقتصاد وعلوم سياسية		العلوم الادارية و المالية
	إدارة أعمال				





برامج (جامعة سبها)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	الكيمياء الفيزيائية	الكيمياء	العلوم	العلوم الأساسية
	الكيمياء التحليلية			
	الكيمياء العضوية			
	الكيمياء غير العضوية			
	الكيمياء الحيوية			
	الفيزياء النووية	الفيزياء		
	فيزياء الحالة الصلبة	علم النبات		
	علم النبات			
	علم الحشرات			
	علم الفسيولوجي			
	علم البيئة والسلوك			
	علم الوراثة			
	علم الطفيليات			
	علم الدم و المناعة			
الهندسة الكيميائية (1)	الهندسة الكيميائية		الهندسة	العلوم الهندسية

برامج (جامعة صبراتة)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماجستير	هندسة القوى الكهربائية	الهندسة الكهربائية و الإلكترونية	الهندسة	العلوم الهندسية
	هندسة التحكم الآلي			
	هندسة الاتصالات			
	هندسة القوى الميكانيكية	الهندسة الميكانيكية		
هندسة بيئية	الهندسة البيئية			



تابع برامج (جامعة صبراتة)				
الدرجة	اسم البرنامج	القسم	الكلية	التخصص
الماستر	هندسة الانشاءات	الهندسة المدنية	الهندسة	العلوم الهندسية
	الهندسة الكيميائية	الهندسة الكيميائية		
	تقنية المعلومات	تقنية المعلومات		
	هندسة برمجيات			
	شبكات			
	لغة انجليزية	لغة انجليزية	الأداب - صبراتة	العلوم الانسانية
	قانون جنائي	القسم الجنائي	القانون - زلطن	
	رياضيات	رياضيات	العلوم	العلوم الاساسية
	علوم سياسية	علوم سياسية	الاقتصاد صرمان	العلوم الاقتصادية و المالية
	محاسبة	محاسبة		

برامج (جامعة ليبيا المفتوحة)				
الدرجة	اسم البرنامج	الشعبة	القسم	التخصص
الماستر	جراحة الحروق و التجميل	العلوم الصحية و الدوائية	العلوم الصحية و الدوائية	العلوم الطبية
	أمراض السكري			
	أمراض النساء و التوليد			
	جراحة المسالك البولية			
	جراحة الفم و الاسنان			
	الأطفال			
	أمراض الروماتيزم			
	أمراض الكلى			
	أمراض الجلدية			
	هندسة التحكم و القياسات	الهندسة الكهربائية	قسم العلوم الهندسية	العلوم الهندسية
هندسة الاتصالات و الإلكترونيات				
هندسة القوى الكهربائية				





تابع برامج (جامعة ليبيا المفتوحة)						
الدرجة	اسم البرنامج	الشعبة	التسم	التخصص		
الماستر	هندسة إدارة التنفيذ	الهندسة المدنية	قسم العلوم الهندسية	العلوم الهندسية		
	هندسة المواد والرصف					
	هندسة الإنشاءات					
	إدارة هندسة الإنشاءات	الإدارة الهندسية				
	إدارة الهندسة الصناعية					
	تطبيقات التحكم والإلكترونيات					
	الهندسة الميكانيكية	الميكاترونك				
	هندسة الحاسوب					
	هندسة الطيران					
	هندسة النفط	الهندسة النفطية				
	هندسة المواد والمعادن	المواد و المعادن				
	المحاسبة المالية	المحاسبة			المحاسبة	العلوم الادارية و المالية
	المراجعة					
	المحاسبة الادارية					
	المحاسبة الحكومية و الضرائب					
	القانون الاقتصادي	القانون			قسم العلوم القانونية	العلوم الانسانية
	القانون الإداري والنظم السياسية					
	القانون الدولي					
القانون الجنائي						
اللغويات	اللغة العربية	قسم اللغة العربية				
الأدبيات						





مادة (4)

تجمد مؤقتاً كافة برامج العلوم التطبيقية والطبية الغير ممنوحة الإذن بفروع الأكاديمية الليبية وعدم قبول طلبية حتى يتم معالجة أوضاعهم الأكاديمية حسب الضوابط والشروط المدونة بالتشريعات النافذة، على ان تمنح هذه الفروع مدة (ثلاث أشهر) لتسوية أوضاع برامجها. وتسري هذه المادة كذلك على برامج التخصصات المختلفة للجامعات الممنوحة الإذن سابقا بدون مستندات وبدون موافقة اللجنة العامة للدراسات العليا حسب المادة الثانية من القرارات الصادرة لهم.

مادة (5)

يناط بمركز ضمان الجودة واعتماد المؤسسات التعليمية والتدريبية اتخاذ الإجراءات المتبعة لديه لاعتماد البرامج الأكاديمية المشار إليها بهذا القرار.

مادة (6)

تجمد مؤقتاً كافة البرامج الأكاديمية التي لم تستوف شروط معايير الجودة.

مادة (7)

يعمل بهذا القرار من تاريخ صدوره وعلى الجهات المعنية التنفيذ.

عمران محمد القيب
وزير التعليم العالي والبحث العلمي



صدر في طرابلس
يوم ١١/٢/٢٠٢٢ م
بتاريخ ١١/٢/٢٠٢٢ م
ش.ق.ر.....

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قرار وزير التعليم العالي والبحث العلمي
رقم (373) لسنة 2023 م
بشأن منح الإذن لبعض الجامعات للبدء في برنامج الدراسات العليا
لمنح درجة الماجستير

وزير التعليم العالي والبحث العلمي:

- بعد الاطلاع على الإعلان الدستوري المؤقت وتعديلاته .
- وعلى الاتفاق السياسي الليبي الموقع في (17 ديسمبر 2015 ميلادي) .
- وعلى قرار مجلس النواب رقم (1) لسنة 2021م بشأن منح الثقة لحكومة الوحدة الوطنية .
- وزارة التعليم العالي والبحث العلمي وتنظيم جهازها الإداري .
- وعلى القانون رقم (12) لسنة (2010 مسيحي) بشأن إصدار قانون علاقات العمل ولائحته التنفيذية .
- وعلى القانون رقم (18) لسنة 2010 م بشأن التعليم .
- وعلى قرار اللجنة الشعبية العامة رقم (22) لسنة 2008م بشأن الهيكل التنظيمي للجامعات ومؤسسات التعليم العالي وتعديلاته .
- وعلى قرار اللجنة الشعبية العامة سابقا رقم (501) لسنة 2010م بشأن إصدار لائحة تنظيم التعليم العالي وتعديلاته .
- وعلى محضر اجتماع الدوري السادس لسنة 2023م للجنة العامة للدراسات العليا .
- وعلى كتاب السيد / رئيس اللجنة العامة للدراسات العليا رقم (لج .ع.د/36/2023) المؤرخ في (5/4/2023م) .

ق ر ر

مادة (1)

يتم بموجب احكام هذا القرار منح الإذن للجامعات المذكورة أدناه والمستوفية للشروط للبدء في برنامج الدرجة العالية (الماجستير) في بعض التخصصات وفقا للشروط المنصوص عليها .

ر.م	الجامعة	الكلية	القسم	البرنامج الأكاديمي
1	طرابلس	الطب البشري	إدارة الرعاية الصحية	الإدارة الصحية
		الهندسة	الإدارة الهندسية	الإدارة المحلية
		تقنية المعلومات	هندسة البرمجيات	تطوير البرمجيات
			نظم المعلومات	علم البيانات الحاسوبي
2	الزاوية	الاقتصاد	الإدارة	الإدارة الصحية
3	الدولية الليبية للعلوم الطبية	إدارة الاعمال	إدارة الرعاية الصحية	الإدارة الصحية
4	طبرق	الاقتصاد	المحاسبة	المحاسبة

مادة (2)

ينال بمركز ضمان جودة واعتماد المؤسسات التعليمية والتدريبية اتخاذ الإجراءات المتبعة لديه لاعتماد البرامج المتار اليها بالمادة الاولي من هذا القرار وفق التشريعات النافذة.

مادة (3)

يُعمل بهذا القرار من تاريخ صدوره وعلى الجهات المعنية تنفيذه

عمران محمد القصباني
وزير التعليم العالي والبحث العلمي



صدر في طرابلس
يوم الثلاثاء
بتاريخ 15/5/2023
ش.ق.و.....

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**قرار وزير التعليم العالي والبحث العلمي
رقم (1720) لسنة 2022 م
بشأن منح الإذن لكلية الاقتصاد - جامعة الزاوية للبدء في برنامج الدراسات العليا
(درجة الماجستير في الإدارة الصحية)**

وزير التعليم العالي والبحث العلمي:

- بعد الاطلاع على الإعلان الدستوري المؤقت وتعديلاته .
- وعلى الاتفاق السياسي الليبي الموقع في (17 ديسمبر 2015 ميلادي) .
- وعلى قرار مجلس النواب رقم (1) لسنة 2021م بشأن منح الثقة لحكومة الوحدة الوطنية .
- وعلى قرار مجلس وزراء حكومة الوحدة الوطنية رقم (39) لسنة 2021م بشأن اعتماد البوكل التنظيمي وتحديد اختصاصات وزارة التعليم العالي والبحث العلمي وتنظيم جهازها الإداري .
- وعلى القانون رقم (12) لسنة (2010 م) مسيحي بشأن إصدار قانون علاقات العمل ولائحته التنفيذية .
- وعلى القانون رقم (18) لسنة 2010 م بشأن التعليم .
- وعلى قرار اللجنة الشعبية العامة رقم (22) لسنة 2008م بشأن البوكل التنظيمي للجامعات .
- وعلى قرار اللجنة الشعبية العامة سابقا رقم (501) لسنة 2010م بشأن إصدار لائحة تنظيم التعليم العالي وتعد
- وعلى كتاب السيد / رئيس جامعة الزاوية رقم (ج ز 1.1/981) المؤرخ في (6/11/2022م) .
- وعلى كتاب السيد / مدير مكتب شؤون الوزارة رقم (م ش و 1128/16) المؤرخ في (22/11/2022م) .

قرار

مادة (1)

يتم بموجب أحكام هذا القرار منح الإذن لكلية الاقتصاد (جامعة الزاوية) للبدء في برنامج الدراسات العليا الإدارية الصحية ، وذلك انطلاقا من المشروع الدولي التنافسي الصحة ، تحت برنامج الايراسموس بلص 11 الأوروبية بعنوان "yan Higher education health sector for the benefit of local society (SAHA) PROJECT REFERENCE NUMBER : 618491-EPP-1-2020-1-IT-EPPKA2-CBHE-JP" .

مادة (2)

يشترط للبدء ببرنامج الدراسات العليا (الماجستير) موافقة اللجنة العامة للدراسات العليا واعتماد مركز واعتماد المؤسسات التعليمية والتدريبية .

مادة (3)

يعمل بهذا القرار من تاريخ صدوره وعلى الجهات المعنية تنفيذه .

**عمران محمد القيب
وزير التعليم العالي والبحث**



طرابلس في صوم
يوم
بتاريخ 18/11/2022م

هاتف 21 484 3457
هاتف 1 484 3252

www.mhesr.gov.ly

طرابلس- ليبيا



raiSe libyAn Higher education heAlth sector for the benefit of local society



Cofinanziato dal
programma Erasmus+
dell'Unione europea



Annex I



Unimed



University Of Granada



University Of Wes Bohemia



LIMU



University Of Sirte



University Of Tripoli



University Of Zawia



University Of Misurata



University Of SEBHA



raiSe libyAn Higher education heAlth sector for the benefit of local society



Cofinanziato dal programma Erasmus+ dell'Unione europea



Annex II



Unimed



University Of Granada



University Of Wes Bohemia



LIMU



University Of Sirte



University Of Tripoli



University Of Zawia



University Of Misurata



University Of SEBHA

LIMU

LIBYAN INTERNATIONAL MEDICAL UNIVERSITY

Form Name : Course Specifications

Revision No. : 03

Form No. : QAP-OP.02

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Libyan International Medical University
Faculty of Business Administration

Course Specifications
Introduction to Health Economics and
Healthcare Management

1- General Information:

- Program on which the course is offered: MSc in Healthcare Management
- Department responsible for offering the course: Faculty of Business Administration
- Course title and code: Introduction to Health Economics in Healthcare Management / Code 0050
- Programme Degree: MSc
- Year/Term at which this course is offered: 1st Term
- Pre-requisites for this course (if any): None
- Credit Hours/ week: 8 ECTS European Credit Transfer and Accreditation System
- Course Coordinator/ Contact Details: Dr. Issa Saleh Ali

2- Course Description

This course introduces key economic concepts in relation to healthcare. It promotes an understanding of the essential economic principles and their application in health. It introduces students to the theory of demand for health care, as well as individual health behaviour and the role of behavioural economics in health. Following this, it considers the supply, production of health services, and costs minimization. It also focuses on financing of health care and then explores inequalities in both the distribution and financing of health care, drawing on empirical analyses .

3- Course Objectives

By the end of this Course the student should be able to:

- Identify the key concepts of health economics.
- Introduce relevant theory of microeconomics and demonstrate its applicability to health care issues.
- Explain economic theory related to the behavior of economics agents, markets, and government policies.
- Analyse the economic approach to resource allocation in the health sector.

4- Course ILOs (Knowledge & Skills):

A - Knowledge and Understanding:

• By the end of this course the student should be able to:

- a.1. Define the key concepts, issues and models in health economics.
- a.2. Understand consumer behavior and firm behavior/ supply side of health services.
- a.3. discuss different types of market structures (competition and monopoly market).
- a.4. Apply economic principles to a range of policy questions such as insurance policy.

LIBYAN INTERNATIONAL MEDICAL UNIVERSITY

Form Name : Course Specifications

Revision No. : 03

Form No. : QAP-OP.02

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Libyan International Medical University
Faculty of Business Administration

Course Specifications
Introduction to Health Economics and
Healthcare Management

B Practical and professional skills

- . By the end of this course the student should be able to do the following tasks in the following topics:
 - b.1. Use all the economic analysis tools in the field of health economics.
 - b.2. Calculate the different types of elasticities and its applications in health economics.
 - b.3. Analyze a consumer's utility maximization problem and the behavior of firms in a perfectly competitive market and monopoly market during the short-run and long-run.
 - b.4. Compare different solutions for financing healthcare and healthcare providers.

C Intellectual skills:

- . **By the end of this course the student should be able to**
 - c.1. Formulate economic models in a verbal, graphical and mathematical way.
 - c.2. Test the economist's way of thinking whether can be applied to a wide range of applications in health care or not.
 - c.3. Critically evaluate the assumptions underlying an economic model.
 - c.4. Apply health economics techniques to inform resource allocation and priority setting in the health system.

D General transferrable skills

By the end of this course the student should be able to:

- d.1. Abstract and simplify essential features in order to frame a problem.
- d.2. Use a conceptual framework that is effective for problem solving and decision making.
- d.3. Transfer skills that are acquired from this course to the work area of health care.

5- Teaching strategies

Teaching strategies to be used to develop the required knowledge:

Students will attend lectures, be given readings, discuss cases, and have interactive in-class assignments.

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Libyan International Medical University
Faculty of Business Administration

Course Specifications
Introduction to Health Economics and
Healthcare Management

Course Contents

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures	Tutorial	Discussion	Self-study
Concepts and Microeconomic Tools for Health Economics						
1.	Course requirements overview Introduction to economics and health economics: The Scope and Method of Economics, The Economic Problem, Key concepts in health economics.	a1, b1, c1	3	2	1	6
2.	Demand theory and supply theory	a1, c2	2	2	2	6
3.	Market Equilibrium: A simple market model, Health care markets and efficiency.	a1, b1, c2	2	2	2	6
4.	Demand and Supply Applications Elasticities	a1, b1, b2, c2	2	2	2	6
5.	Consumer theory: Utility, Indifference curves, Consumer equilibrium	a2, b3, c3	2	2	2	6
6.	Short-Run Costs and Output Decisions	a3, b3, d2	2	2	2	6
7.	Long-Run Costs and Output Decisions	a3, b3, d2	2	2	2	6
8.	Mid-term exam	-	-	-	-	-
9.	Market structure: Perfect competition	a3, d3	2	2	2	6
10.	Market structure: Monopoly	a3, d3, a4	2	2	2	6
Health economic						
11.	Production of Health	a3, b4, c3	2	2	2	6
12.	The Production, Cost, and Technology of Health Care	a4, b4, c3	2	2	2	6
13.	Determinants of healthcare demand and expenditures	a4, b4, c3	2	2	2	6
14.	Demand for Health Capital	a4, b4, c4	2	2	2	6
15.	Financing of health care: Insurance Demand and Supply of Health Insurance	a4, b4, c4	2	2	2	6
16.	Final exam	-	3	-	-	6

LIBYAN INTERNATIONAL MEDICAL UNIVERSITY

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Libyan International Medical University
Faculty of Business Administration

Course Specifications
Introduction to Health Economics and
Healthcare Management

6- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods

Course ILOs	Learning and Teaching Methods	Assessment Methods
A	Lecture	Written & Random exams
B	Independent study assignments	Written assignments
C	Discussion paper, interactive in-class assignments	Journal articles, project works
D	Group-learning activities	Problem based exercises, independent Project works, research reports.

7- Assessment Schedule:

Assessment	Week
Assignments	Every week
Discussion & interactive in-class assignments	Every week
Mid-term	Week 5
Final Exam	Week 16

8- Weighting of Assessments:

Assessment	
Attendance	10%
Assignments at home, discussion paper, interactive in-class assignments	20%
Mid-term	30%
Final Exam	40%
Total	100%

9- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course. The electronic platform is crucial in teaching and delivering all economics courses.

10- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

LIBYAN INTERNATIONAL MEDICAL UNIVERSITY

Form Name : Course Specifications

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Libyan International Medical University
Faculty of Business Administration

Course Specifications
Introduction to Health Economics and
Healthcare Management

b. Essential Books(Text Books):

1. Case & Fair & Oster, 'Principles of Economics', Tenth Edition, Pearson, 2012.
2. Mankiw N. Gregory, 'Principles of Economics', Sixth Edition, South-Western, 2012.
3. Folland S, Goodman AC, Stano M (2017), The Economics of Health and Health Care. Routledge (8th edition).
4. Lorna Guinness & Virginia Wiseman (ed.), 2011, Introduction to Health Economics, Second edition.
5. In addition to list of reading to enhance the ability of master students for seeking the knowledge.

Dr. Sabri Elkrghli - Dean of the faculty

Course Coordinator: Dr. Issa Saleh Ali

LIBYAN INTERNATIONAL UNIVERSITY

Form Name : Course Specifications

Revision No. :

Form No. :

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Libyan International University
Faculty of Business Administration

Course Specifications
Health Economics

1- General Information:

- Program on which the course is offered : MSc in Health care Management
- Department responsible for offering the course: Faculty of Business Administration
- Course title and code: Health Economics
- Program Degree: MSc
- Level/year at which this course is offered:2nd semester
- Pre-requisites for this course (if any) : Introduction to health economics
- Credit Hours/ week: 8 ECTS European Credit Transfer and Accreditation System
- Course Coordinator: Dr. Issa Saleh Ali, (issaali2012@gmail.com)

2- Course Description

This course is designed to provide advanced topics on health economics theory and policy. Topics covered include market failure in health sector, the supply side in health economics, hospitals economics, pharmaceutical economics and economic evaluation.

3- Course Objectives

This course aims to:

- Identify the major contributors to the market failure and the government intervention.
- Describe the different models of payment systems.
Understanding the main features of hospitals economics and pharmaceutical economics.
- Introduce basic concepts related to Health Technology Assessment (HTA).
- Discuss the main economic evaluation techniques for assessing and comparing health care programs and interventions.

4- Course ILOs (Knowledge & Skills)

By the end of this Course the student should be able to:

A - Knowledge and Understanding:

By the end of this course the student should be able to :

- a.1. Define the key concepts, issues and models in advanced health economics.
- a.2. Discuss the main contributors to market failure and justify the government intervention.
- a.3. Apply the different models of payment systems for organizations and professionals.
- a.4. Test the implications of studying hospitals and pharmaceutical economies.

LIBYAN INTERNATIONAL UNIVERSITY

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Libyan International University
Faculty of Business Administration

Course Specifications
Health Economics

- a.5. Examine economic evaluation techniques for assessing and comparing health care programs and interventions.

B. Practical and professional skills

By the end of this course the student should be able to:

- b.1. Use all the economic analysis tools in the field of advanced health economics.
- b.2. Able to build a sort of control system or measurement system to evaluate or assess the objectives of payment systems.
- b.3. Compare the for-profit and non-for-profit nature of hospitals and explain the main features of pharmaceutical economics.
- b.4. Solve health care problems by using different types of economic evaluation.

C. Intellectual skills:

Demonstrate skills, such that the student is able to:

- c.1. Apply economic theory to understand and evaluate health policy proposals.
- c.2. Critically evaluate reports and articles with an advanced health economics content.
- c.3. Use empirical evidence to evaluate an economic argument
- c.4. Examine and conduct appropriate statistical analysis of health data.

D. General transferrable skills

- d.1. Work effectively in a team-work to achieve goals
- d.2. Show initiative and leadership abilities
- d.3. Good time management
- d.4. Problem-solving skills
- d.5. Defend arguments confidently.

5- Course Contents

The course is based on three building tasks to support participants to approach the advanced techniques and contents of health economics in masters dedicated to health care organizations specialists. These are in classroom lectures (or recorded and live sessions), group discussion, and assignments.

LIBYAN INTERNATIONAL UNIVERSITY

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Libyan International University
Faculty of Business Administration

Course Specifications
Health Economics

Weeks	Topics to be Covered	Related Course ILOs	ECTS				Self-study
			lectures	Pres-	Assig-	Discu-	
1+2	<ul style="list-style-type: none"> ▪ course requirements overview ▪ The market failure and government intervention ▪ Agency theory 	a1, a2, b1	3	-	3	-	6
3	<ul style="list-style-type: none"> ▪ Introduction to payment systems ▪ Payment systems: prospective and retrospective 	a1, a3, b1	2	2	2	-	6
4	<ul style="list-style-type: none"> ▪ Payment systems for organizations. 	a3, b2, c2	2	2	-	2	6
5	<ul style="list-style-type: none"> ▪ Payment system for professionals. 	a3, b2, c2	2	2	-	2	6
6+7	<ul style="list-style-type: none"> ▪ Small area variations 	a3, b3, c2	2	2	-	2	6
8	<ul style="list-style-type: none"> ▪ Economics of Hospitals 	a1, a4,b3	2	2	-	2	6
9	<ul style="list-style-type: none"> ▪ Economies of scale (larger scales of operation produce lower long run average total costs) 	a4, b3, c2	1	2	1	2	6
10	<ul style="list-style-type: none"> ▪ Pharmaceutical Economic -Innovation and its role in the health care system 	a4, b3, c2	2	2	2	-	6
11	<ul style="list-style-type: none"> ▪ Health technology assessments 	a1, a5, b4, c3	3	-	1	2	6
12+13	<ul style="list-style-type: none"> ▪ Economic evaluation: methods, costs. 	a5, b4, c4	3	-	2	1	6
14+15	<ul style="list-style-type: none"> ▪ Economic evaluation: outcomes, discission-making. 	a5, b4, c4	3	-	2	1	6
16	<ul style="list-style-type: none"> ▪ Final exam 	-	-			-	

Assessment	Week
presentation	Every week
Cases analyses & interactive in-class assignments	Depends on the topic
Final Exam	Week 16

LIBYAN INTERNATIONAL UNIVERSITY

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Libyan International University
Faculty of Business Administration

Course Specifications
Health Economics

6- Weighting of Assessments:

Assessment	
Attendance	10%
presentation	20%
Cases analyses & interactive in-class assignments	30%
Final Exam	30%
Total	100%

7- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course. The electronic platform is crucial in teaching and delivering all economics courses.

8- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

b. Essential Books(Text Books):

1. Folland S, Goodman AC, Stano M (2017), The Economics of Health and Health Care.Routledge (8th edition).
2. A. J. Culyer & J. P. Newhouse (ed.), 2000. "Handbook of Health Economics," Handbook of Health Economics, Elsevier, edition 1, volume 1, 2.
3. Lorna Guinness & Virginia Wiseman (ed.), 2011, Introduction to Health Economics, Second edition.

c. Readings and materials

- Corallo AN, Croxford R, Goodman DC, et al (2014). A systematic review of medical practice variation in OECD countries, Health Policy, 2014, 114(1):5-14.
- Eijkenaar F, Emmert, Scheppach M, Schöffski O (2013). Effects of pay for performance in health care: a systematic review of systematic reviews, Health Policy, 110(2-3):115- 30.
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Health Economics

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- Saltman RB, Figueras J (1997), European Health Care Reform: analysis of current strategies (Chapter 5, pages 152-174)
- Schweitzer OS, Lu ZJ (2018), Pharmaceutical Economics and Policy, Oxford, Oxford University Press, Introduction (3-20).
- Scott A, et al (2011), The effect of financial incentives on the quality of health care provided by primary care physicians, Cochrane database of systematic reviews, 9 (CD008451).
- Sloan F, et al (2001), Hospital ownership and cost and quality of care: is there a dime's worth of difference? Journal of Health Economics, 20(1): 1-21.
- Villa S, Kane N (2013). Assessing the impact of privatizing public hospitals in three American states: implications for universal health coverage, Value Health, 16 (1 Suppl):S24-33.

Dr. Issa Saleh Ali

Course Coordinator: Dr. Issa Saleh Ali

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Form Name	: Course Specifications of [Healthcare management] in [master of health care management]	Rev. No.	:03
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General Information:

- **Program on which the course is offered: Master of Healthcare Management**
- **Department responsible for offering the course: Faculty of Business Administration**
- **Programme Degree: Master Degree of Healthcare Management**
- **Course title and code: Healthcare Management / 0053**
- **Year/Term at which this course is offered: 2nd Term**
- **Pre-requisites for this course (if any): Introduction to Healthcare Economics in Healthcare Management 0050**
- **Credit Hours: (8 ETCS) European Credit Transfer and Accreditation System**
- **Course Coordinator/ Contact Details: Abdelbaset M. Elghriani - abdelbaset.elghriani@limu.edu.ly**

1- Course Description

Healthcare Management course discusses several issues related to healthcare management and its applications in the public and private Libyan healthcare sector. students will be exposed to the contents of this course after passing an introduction to economics and healthcare management module. Topics that are expected to be covered in this course include the following: definition of Healthcare Management, management functions and their applications in the healthcare field (planning, organization, staffing and controlling), human resources management in the healthcare, healthcare services management, quality management in the healthcare field, health strategies of prevention and protection from infections, medical waste management, medical supply management and ethics in healthcare field.

2- Course Objectives

By the end of this Course, the students should be able to:

1. Recognize the definitions of management and its link with healthcare system.
2. Apply healthcare management functions with real world practices.
3. Illustrate the effectiveness and efficiency in managing the medical material and waste.
4. Identify the key ethical issues related to healthcare management.
5. Measure quality of services delivered in healthcare systems.
6. Evaluate healthcare management literature and practices with more focus on the Libyan context.

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3- Course ILOs (Knowledge & Skills):

By the end of this Course / Subject, the student should be able to:

A - Knowledge and Understanding:

- a.1. Recognize the definitions of management and its link with healthcare system.
- a.2. Describe healthcare management functions with real world practices.
- a.3. Illustrate the effectiveness and efficiency in managing the medical material and waste.
- a.4. Identify the key ethical issues related to healthcare management.
- a.5. Identify the quality of services delivered in the Libyan healthcare systems.

B Practical and professional skills:

By the end of this Course / Subject, the student should be able to:

- b.1. Use the definitions of management and its link with the Libyan healthcare system.
- b.2. Apply healthcare management functions in the Libyan healthcare context.
- b.3. Manage the medical material and its waste effectively and efficiently.
- b.4. Compare the key ethical issues related to healthcare management in the public and private organizations.
- b.5. Measure quality of services delivered in healthcare systems.

C Intellectual skills:

By the end of this Course / Subject, the student should be able to:

- c.1. Analyze the definitions of management and its link with healthcare system.
- c.2. Intellectually use se healthcare management functions in the Libyan context.
- c.3. Propose an effective and efficient ways in managing the medical material and its waste.
- c.4. Critically evaluate the quality of healthcare management and ethics in the Libyan healthcare system.

D General transferrable skills

By the end of this Course / Subject, the student should be able to:

- d.1. Work as a team member.
- d.2. Work as a team leader.
- d.3. Use body language professionally.

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- d.4. Give excellent presentations.
- d.5. Defend arguments confidently.

Course Contents

Week	Topics	Related Course ILOs	Lectures	self-study		
				seminar	Tutorial	journal club
1	Definitions of Healthcare Management	a.1 – b.1 – c.1	(3)	(3)	(3)	(4)
2	Management Functions (Planning)	a.2 – b.2 - c.2	(3)	(3)	(3)	(4)
3	Management Functions (Organization)	a.2 – b.2 - c.2	(3)	(3)	(3)	(4)
4	Management Functions (Staffing)	a.2 – b.2 - c.2	(3)	(3)	(3)	(4)
5	FIRST MIDTERM					
6	Human Resource Management in Healthcare	a.3- b.3 -c.3	(3)	(3)	(3)	(4)
7	Management Functions (Controlling)	a.2 -b.2-c.2	(3)	(3)	(3)	(4)
8	Healthcare Services Management	a.5- b.5 -c..2	(3)	(3)	(3)	(4)
9	Total Quality Management in Healthcare	b.5 – c.4	(3)	(3)	(3)	(4)
10	Infections Preventions and Protections Strategies		(3)	(3)	(3)	(4)
11	SECOND MIDTERM					
12	Medical Waste Management	a.3-b.3-c.3				
13	Medical Supply Management	a.5- b.3 c.3	(3)	(3)	(3)	(4)
14	Ethical Issues in the Healthcare Management	a.4 – b.4-c.4	(3)	(3)	(3)	(4)
15	Revision					
16	FINAL EAXM					

4- Alignment between Course ILOs, Learning and Teaching Methods, &Assessment Methods

Course ILOs	Learning and Teaching Methods	Assessment Methods
Knowledge and understanding	Lecture - Discussion	Written exam
Practical and professional skills	Self –learning - Cooperative learning	Presentations & assignments
Intellectual skills	Lecture - Discussion	Written exam
General transferrable skills	Self –learning - Cooperative learning	Presentations & assignments

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5- Assessment Schedule:

Assessment	Week
MIDTERM 1(Written Exam)	5 TH
Final Exam	16 TH

6- Weighting of Assessments:

Assessment	%
MIDTERM	20%
Assignments	30%
Presentations and activities	10%
Final exam	40%
Total	100%

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7- Facilities required to implement the course:

Class room, smart board or data show and a computer

8- List of Text books and references

a. Course Notes:

Slides and notes will be provided in class, and on the Moodle as well.

b. Essential Books:

Judith Smith - Healthcare Management-Open University Press (2006)

Introduction to Health Care, 3rd Edition (Dakota Mitchell, Lee Haroun) (z-lib.org)

c. Recommended Books:

David Edward Marcinko, Hope Rachel Hetico- Hospitals & health care organizations-CRC Press-(2013)

d. Periodicals, web sites:

To provide in class and on the Moodle as well.

Course Coordinator: Abdelbaset M. Elghriani

Dean of the faculty : Dr. Sabri Elkrghli

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Form Name : Course Specifications of [Business Development] in [MSc in Healthcare Management] **Rev. No.** :03

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1- General Information:

- Program on which the course is offered: Master in Healthcare Management
- Department responsible for offering the course: Faculty of Business Administration
- Program Degree: Master in Healthcare Management
- Course title and code: Business Development Course / 0055
- Year/Term at which this course is offered: 2nd Term
- Pre-requisites for this course (if any): Introduction to Healthcare Economics in Healthcare Management / 0050
- Credit Hours/ week: 8 ECTS European Credit Transfer and Accreditation System
- Course Coordinator / Contact Details: Dr. Sabri Elkrghli / sabri.elkrghli@limu.edu.ly

2- Course Description

Business Development Course is one of the key Modules in postgraduate studies in Healthcare Management programme. This course relies on active learning strategies that put the student in the heart of the educational process to be the source of teaching and learning experience. In addition, this course has been designed to create a spirit of entrepreneurship in the medical fields among the students.

Topics that will be covered include the following: small business and entrepreneurship orientation, innovation and creativity, opportunity recognition, business planning and organization, market research techniques, operations management, marketing for small enterprises, funding of small businesses, monitoring and controlling in small businesses, HRM strategies for small businesses, critical success factors for entrepreneurial projects, ethics for small businesses and exit strategies for small businesses.

3- Course Objectives

By the end of this Course/Subject the student should be able to:

- Define business development and entrepreneurship concepts.
- Recognize business development and entrepreneurship skills.
- Compare and contrast businesses development and entrepreneurship applications in healthcare fields in developed, developing and transitional economies.
- Build analytical skills in solving real-world problems concerning entrepreneurial businesses.
- Implement business development and entrepreneurship concepts and skills in a hypothetical healthcare project.
- Identify the key techniques to review and evaluate a hypothetical healthcare project.

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4- Course ILOs (Knowledge & Skills):

By the end of this Course/Subject the student should be able to:

A - Knowledge and Understanding:

. **By the end of this course, the student should be able to:**

- a.1. Identify entrepreneurship concepts.
- a.2. Describe entrepreneurship orientation skills.
- a.3. Classify entrepreneurship practices in healthcare industries in different contexts.
- a.4. Categorize the key factors for success / failure of entrepreneurial businesses acting in healthcare industry.

B Practical and professional skills

. **By the end of this course, the student should be able to:**

- b.1. Review entrepreneurship concepts and theories applied in healthcare management.
- b.2. Apply entrepreneurship concepts and skills in a hypothetical healthcare project.
- b.3. Use key evaluation methods to review a hypothetical healthcare project in Libya.
- b.4. Write academic / professional reports on entrepreneurial healthcare-related projects.

C Intellectual skills:

. **By the end of this course, the student should be able to:**

- c.1. Select healthcare-related business ideas.
- c.2. Critically evaluate the extant literature on entrepreneurship development.
- c.3. Analyze real-world problems related to healthcare entrepreneurial projects.
- c.4. Solve real-world problems related to healthcare entrepreneurial projects.
- c.5. Create a new venture related to healthcare industries.

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D General transferrable skills

. By the end of this course, the student should be able to:

- d.1. Use body language properly.
- d.2. Implement team-work skills.
- d.3. Give excellent presentations.
- d.4. Defend arguments confidently.

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Course Contents

Week No.	Topics to Be covered per Week	Related Course ILOs	ECTS					
			Lectures	Disc.	Pres.	Tests	Self-study	Project
1	Introduction to Entrepreneurship and business development	A1, B1	2	1	0	0	6	3
2	Entrepreneurs' Characteristics and traits	A2, B1, D1, D2	1	1	1	0	6	3
3	Entrepreneurship Stories in Healthcare Projects	A3, c2, c3, c4	1	1	1	0	6	3
4	Healthcare Projects Planning & Organization	C1, B2	1	1	1	0	6	3
5	Mid-term One		0	0	0	3	6	3
6	Staffing Affairs in Healthcare Projects	A1, A2	1	1	1	0	6	3
7	Leadership Skills needed for Healthcare Projects	A1, A2	1	1	1	0	6	3
8	Financing & Budgeting of Healthcare Projects	A1, A2, B2	1	1	1	0	6	3
9	Marketing Techniques required for healthcare ventures	A1, A2, A3	1	1	1	0	6	3
10	Mid-term Two		0	0	0	3	6	3
11	Building Competitive Advantages for Healthcare Projects	A4,	1	1	1	0	6	3
12	Internationalization of Healthcare ventures	A1, A2, A3	1	1	1	0	6	3
13	Ethical Issues in Healthcare Projects	A1, A2, A3	1	1	1	0	6	3
14	Project Evaluation	B3, c2, c3, C4	1	1	1	0	6	3
15	Healthcare Project Business Plan Presentation	B2, B4, C5,	1	1	1	0	6	3
16	Final Exam		0	0	0	3	6	3

5- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods

Course ILOs	Learning and Teaching Methods*	Assessment Methods**
A1, A2, A3, A4	Lectures, discussions, self-study, Presentations & project	Presentations, project & tests
B1, C2	Lectures, discussions, self-study, & Presentations	Project & Presentations
B2	Presentations & Project	Project & Presentations
B3,	Lectures & discussions	Presentations, tests & Project
B4	Discussions, Presentations & project	Discussions, Presentations & project
C1	Lectures, discussions & self-study	Discussions & presentations
C3 & C4	Lectures, discussions, self-study & presentations	Discussions & presentations
C5	Lectures, discussions	Discussions & presentations
D1	Lectures, discussions & presentations	Discussions & presentations

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Course ILOs	Learning and Teaching Methods*	Assessment Methods**
D2	Lectures, discussions & presentations	Discussions & presentations
D3	Lectures, discussions & presentations	Discussions & presentations
D4	Lectures, discussions & presentations	Discussions & presentations

6- Assessment Schedule:

Assessment Method	Week
Discussion	Every week
Presentations	Every week
Mid-terms	5 & 10
Final Exam	16
Project	16

7- Weighting of Assessments:

Assessment Methods	Weight in Percentages %
Discussion	10
Presentations	10
Mid-term 1	15
Mid-term 2	15
Final Exam	30
Project	20
Total	100%

8- Facilities required to implement the course:

For better educational outcomes, a spacious, well-appointed classroom equipped with lighting, ventilation, air conditioning, a visual screen, data show projector, and internet services are needed.

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9- List of Text books and references

a. Course Notes:

- PowerPoint lectures (PPT Files) will be uploaded on the Moodle on a weekly basis prior to the class.
- Hand-outs, Scenarios & cases will be given in class for discussion and reflections.
- Articles, cases and videos for analysis and discussion in the class.

b. Essential Books (Text Books):

- Due to the particularity of this course, it is recommended that the instructor should use different modern textbooks that discuss business development, entrepreneurship, small and medium-sized enterprises with the focus being placed on health-related businesses.
- Norman M. Scarborough, Jeffery R. Cornwall (2016), **Essentials of Entrepreneurship and Small Business Management**, 8th Edition, Pearson.

c. Recommended Books:

- Bruce R. Barringer & R. Duane Ireland, (2013), **Entrepreneurship: Successfully Launching New Ventures**, 4th Edition, Pearson Publishing.
- Alison Morrison, (1998), **Entrepreneurship: An International Perspective**, 1st Edition, Reed Educational and Professional Publishing Ltd.
- Mollie Painter Morland and Laura J. Spence, (2010), **Ethics in Small and Medium Sized Enterprises: A Global Commentary**, ISBEE, Springer.
- Charles Harvie & Boon-Chye Lee, (2005), **Sustaining Growth and Performance in East Asia**, Edward Elgar Publishing Ltd.
- Olejnik, Edith, (2014), **International Small and Medium-sized Enterprises**, Springer.
- Peter Drucker, (1985), **Innovation & Entrepreneurship**.

d. Periodicals, web sites:

- Journal of Entrepreneurship
- The International Journal of Entrepreneurship and Innovation
- Journal of Global Entrepreneurship Research
- Journal of Entrepreneurship in Emerging Economics
- Journal of Small Business and Enterprise Development
- Journal of Small Business Management

Course Coordinator: Dr. Sabri Elkrggli

Head of Department: Dr. Sabri Elkrggli

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Form Name	: Course Specifications of [Performance Management] in [MSc in Healthcare Management]	Rev. No.	:03
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1- General Information:

- **Program on which the course is offered** : MSc in Healthcare Management
- **Department responsible for offering the course:** Faculty of Business Administration
- **Program Degree:** MSc
- **Course title and code** : Performance Management (0057)
- **Year/Term at which this course is offered:** (Year one, Term 2)
- **Pre-requisites for this course (if any):** Introduction to Health Economics and Healthcare Management (0050)
- **Credit Hours/ week:** (8 ECTS, Total Hours: 12 hours per week) European Credit Transfer and Accreditation System
- **Course Coordinator/ Contact Details:** Dr. Ali Omar (Aldulimi), alidulimi@yahoo.com

2- Course Description

This course provides basics and advanced knowledge in performance management & measurement. Part of the purpose of this course is to explore the underlying theoretical assumptions and implications of current micro-level performance management and evaluation (PME) practices, specifically within health-care organizations. In general, the course highlights, in details, the processes that are about the design and implementation of successful performance management systems.

Indeed, this course explores the tools and methods to review and plan performance, reward excellence, and provide feedback where improvements on the PM system is needed. Moreover, it examines the development of performance standards and the link between performance management and performance development. In addition, it includes case histories to assist in improving healthcare processes by making optimal use of tools and theories and provides some examples from actual organizations to illustrate how performance management systems are implemented, given actual situational constraints, with special references to the Libyan healthcare sector.

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3- Course Objectives

By the end of this Course / Subject, the student should be able to:

- Identify the knowledge and skills needed for effective performance management at the individual, groups and organizations.
- Address general as well as strategic considerations regarding performance management in healthcare sector.
- Describe the performance management process and its importance in organizations in healthcare sector.
- Know how to deal effectively with underperformance in healthcare sector.
- Select the suitable performance measurement system for different purposes at healthcare organizations.
- Apply performance management process in the context of healthcare organizations.

4- Course ILOs (Knowledge & Skills):

By the end of this Course/Subject the student should be able to:

A - Knowledge and Understanding:

By the end of this course the student should be able to :

- a.1. Define performance management systems and their implications for healthcare organizations.
- a.2. Describe some of the technical aspects associated with the assessment of performance at healthcare organizations.
- a.3. Illustrate the steps involved in implementing a performance management system for healthcare organizations.
- a.4. Discuss the advantages and disadvantages of implementing a performance management system at healthcare organizations.

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a.5. Explain the employee developmental plans based on using performance measurement systems in healthcare sector.

B Practical and professional skills

By the end of this course the student should be able to do :

- b.1. Develop a sketch of best practices in performance management in healthcare organizations.
- b.2. Address the skills needed by supervisors at health care organizations to observe and assess performance and provide feedback on it.
- b.3. Design and implement performance management systems dealing with different purposes at healthcare organizations.
- b.4. Apply a formal system of data collection and using it for measuring the performance of healthcare services.
- b.5. Diagnose the relationship among performance management and rewards system in healthcare sector.

C Intellectual skills:

By the end of this course the student should be able to:

- c.1. Compare the advantages and disadvantages of using various sources of performance information.
- c.2. Criticize the traditional and contingent pay plans, pay structures, and their links to PM in healthcare sector.
- c.3. Examine statistical issues that must be addressed for effective performance measurements in healthcare sector.
- c.4. Design critical success factors and translate them into key performance indicators in healthcare sector.
- c.5. Analyze the main priorities for any healthcare system seeking to improve the measurement of performance.

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D General transferrable skills

By the end of this course the student should be able to:

- d.1. Work in teams and achieve common goals.
- d.2. Find the best-fit performance management software for healthcare organizations.
- d.3. Prepare presentation on topics related to this course.
- d.4. Write essays on topics related to this course.
- d.5. Demonstrate the communication skills required when managing achievements and underachievement.

Course Contents

Week No.	Topics	Related Course ILOs	Contact hours						
			Lectures	Seminars	Tutorial	Field work case study	Test	Self-study	Assignments
1.	Introduction to Performance Management	A1, a2, a4, b2, d3,	2	1	0	1		6	2
2.	Performance Management Processes	A1, a2, a3, a5, b3, c1, c4, d3, d4	2	1	0	1		6	2
3.	Planning for Performance Collection and Analyze of the Performance Data Monitoring and Improving Performance	A3, a4, b3, b4, c1, c2, c4, c5, d2, d5	2	1	0	1		6	2
4.	Implications of Reward Management for PM	A4, b2, b5, c1, c4,	2	1	0	1		6	2
5.	Scope of Performance Measurement Development of Performance Measurements	A2, a4, b2, b3, c1, c4, d5	2	1	0	1		6	2

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Week No.	Topics	Related Course ILOs	Contact hours						
			Lectures	Seminars	Tutorial	Field work case study	Test	Self-study	Assignments
6.	Common Performance Measurement Systems <ul style="list-style-type: none"> • Pay for Performance • 360 Degree Feedback • Balanced Scorecard • Management by Objectives 	A4, b3, b5, c1, c2, c3, c4, d2, d5	2	1	0	1		6	2
7.	Selection of Suitable Performance Indicators	A4, b3, b4, c1, c2, c3, c4, c5, d2, d3, d4	2	1	1	0		6	2
8.	Techniques for Dealing with Under-performers	A3, a5, b4, b5, d2, d5	2	1	1	0		6	2
9.	Mid-term Exam		0	0	0	0	4	6	2
10.	Performance Management in the Context of Healthcare Organizations	A1, b2, c1, d3, d4	2	1	0	1		6	2
11.	Performance Evaluation in Healthcare	A3, a4, a5, b3, b4, c2, c3, c6, d4	2	1	1	0		6	2
12.	Current Trends in Performance Management in Healthcare	B1, b2, b4, d3, d4	2	1	1	0		6	2
13.	Applications of PM on the Context of Libyan Healthcare	A2, b1, b2, b3, b5, c1, c4, c5, d1, d2, d5	2	1	0	1		6	2

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Week No.	Topics	Related Course ILOs	Contact hours						
			Lectures	Seminars	Tutorial	Field work case study	Test	Self-study	Assignments
14.	Challenges face Healthcare Performance Management in Libya	A5, b1,b2,b3, b4, c1, c3, c4, c5, d3, d4	2	1	0	1		6	2
15.	Review and Implications for Practice	A5, b1, b2, b3,b4, b5, c1, c2, c3, c4, c5, d3, d4, d5	2	2	0	0		6	2
16.	Final Exam		0	0	0	0	4	6	2

5- Alignment between Course ILOs, Learning and Teaching Methods, &Assessment Methods

Course ILOs	Learning and Teaching Methods*	Assessment Methods**
Knowledge and Understanding	Lectures, independent study assignments	Written & oral exams -
Practical and professional skills	Group-learning activities such as tutorials, field-base activity	Practice in fields based case studies and workshops.
Intellectual skills	Presentation, Self-study of related and selected topics and cases.	Assignments, independent project works
General transferrable skills	Workshops, seminars and case study analysis	Team working skills through collaborative projects Written essays, oral presentation in seminars

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6- Assessment Schedule:

Assessment	Week
Assessment 1(Written Exam)	9 th week
Case Study	4 th week and beyond
Practical Exam (applications & exercises based homework)	11 th week and beyond
Oral Exam	14 th week and beyond
Final Exam	16 th week

7- Weighting of Assessments:

Assessment	%
Assessment (written Exam) (Mid-term)	20%
Presentation of Case study	20%
Final Exam	30%
Other types of assessment (Homework assignment Activity)	30%
Total	100%

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8- Facilities required to implement the course:

Necessary facilities needed for teaching this course are mainly an appropriate teaching accommodation, basic teaching aids tools, and computers with specific software related to modern performance management systems. Thus, well-appointed classroom equipped with lighting, ventilation, air conditioning, a visual screen, data show projector, and good internet services have to be available for the whole course.

9- List of Text books and references

a. Course Notes:

- PowerPoint slides (PPT Files). They will be uploaded on the Moodle on a weekly basis.
- Sheets on relevant exam questions and answers (multiple choice and essay-type), role-plays, and case studies.
- Articles and videos for analysis and discussion in the class

b. Essential Books(Text Books):

- Aguinis, H. (2018), *Performance Management*, Fourth Edition, USA: Chicago Business Press.

c. Recommended Books :

- Smither, J., London, M. (2009), *Performance Management: putting research into action*, First Edition, USA: John Wiley & Sons, Inc.
- Bergeron, B. (2017), *Performance Management in Healthcare: From Key Performance Indicators to Balanced Scorecard*, 2nd Edition, USA: Productivity Press.

d. Periodicals , web sites:

- Mettler, T., Rohner, P. (2009), "Performance Management in Health Care: the past, the present, and the future". *Wirtschaftsinformatik Proceedings 2009*. 149.
<http://aisel.aisnet.org/wi2009/149>
- Amaratunga, D., Baldry, D. (2002), "Moving from Performance Measurement to Performance Management", *Facilities*, Vol. 20, pp. 217- 223.
- Tangen. S. (2004), "Performance Measurement: from philosophy to practice", *International Journal of Productivity and Performance Measurement*, Vol. 53, No. 8, pp. 726- 737.

Head of Department: Dr. Sabri Elkrggli

Course Coordinator: Dr. Ali Omar (Aldulimi)

LIBYAN INTERNATIONAL MEDICAL UNIVERSITY

Form Name	: Course Specifications of [Telemedicine] in master of health care management]	Rev. No.	:03
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1- General Information:

- Program on which the course is offered : Master of healthcare management
- Department responsible for offering the course: Applied medical science
- Program Degree: Master of health care management
- Course title and code : Telemedicine / 0056
- Year/Term at which this course is offered: 3rd semester
- Pre-requisites for this course (if any) : None
- Credit Hours : 8ECTS
- Course Coordinator/ Contact Details: Prof. Abdulla Elmansouri

2- Course Description

According to the World Health Organization

“Telehealth involves the use of telecommunications and virtual technology to deliver health care outside of traditional health-care facilities. Telehealth, which requires access only to telecommunications, is the most basic element of “eHealth,” which uses a wider range of information and communication technologies (ICTs).

Telehealth examples include virtual home health care, where patients such as the chronically ill or the elderly may receive guidance in certain procedures while remaining at home. Telehealth has also made it easier for health care workers in remote field settings to obtain guidance from professionals elsewhere in diagnosis, care and referral of patients. Training can sometimes also be delivered via telehealth schemes or with related technologies such as eHealth, which make use of small computers and the internet “.

This course comprises of different teaching methods to describes and analyses the role of information and communications technologies in enabling remote patient care, health professional collaboration at a distance, and in supporting patient-self management, making future advances in a number of scientific disciplines while improving the success of telemedicine and the healthcare sector in addition to some directions about telemedicine for medical research.

This is considered with reference to telemedicine applications like technological, policies, sociological, and global health challenges are core of them.

3- Course Objectives

By the end of this Course/Subject the student should be able to:

1. Introduce the students to applications of telemedicine through advances in remote healthcare and monitoring using telemedicine applications.
2. The Students are able to present robust solutions in the delivery of medical information from patient’s to-doctors, with the purpose of enhancing accurate diagnosis without the need for face-to-face contact.
3. Students able to Describe and analyze the role of information and communications technologies at a distance, and in supporting patient-self management.

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4. To provide the students with comprehensive knowledge about implementation of telemedicine in the healthcare sector in addition to some directions about telemedicine for medical research.

4- Course ILOs (Knowledge & Skills):

By the end of this Course/Subject the student should be able to:

A - Knowledge and Understanding:

- . By the end of this course the student should be able to :

By the end of this course the student should be able to:

1. Illustrate a historical overview of the main applications of telemedicine and types of telemedicine Software & Hardware requirements – Logistic setup requirements Practical steps for setting up a telemedicine practice.
2. Discuss the roles and responsibilities of team members in telemedicine conversations between clinician's technologists, engineers and scientists in synergizing their efforts into producing highly efficient, deployable telemedicine applications.
3. Describe relevant legal, licensing, and privacy regulations for telemedicine, especially important information relevant to their practice like how to obtain patient consent, prescribing for controlled and uncontrolled substances.
4. Mention main factors that impact patients' to incorporate telemedicine into their care

B Practical and professional skills

- . By the end of this course the student should be able to do the following tasks in the following topics:

B1. Explain the appropriate uses, benefits and limitations of telemedicine applications

B2. Propose strategies and guidelines for integrating telemedicine into the clinical workflow specifically address needs in rural and other underserved areas.

B3. Assess environmental safety, patient safety, risk, when and how to escalate care (e.g. convert to in-person visit or refer for emergency care)

B4. Collect patient's needs, and cultural socio technical factors that influence the success or failure of implementation projects.

C Intellectual skills:

- . By the end of this course the student should be able to:

C1. Demonstrate actions and technical requirement that facilitate communication with patients via video visits (real or simulated) in manner to obtain role model of patient history, physical exam, in order to make diagnosis and medical decision making with ensure Complete medical documentation

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C2. Apply the appropriate use of telemedicine to effectively deliver care for special use cases (e.g. child/adolescent, geriatric patients with dementia or in nursing homes, , mental health care, public health crisis, global pandemic)

C3. Assess new innovations in telemedicine technology

C4Apply methods and principles of evaluation to telemedicine projects.

D General transferrable skills

. By the end of this course the student should be able to:

D1. Support continuous development telemedicine and face challenges and difficulties to achieve effective telemedicine

D2. Demonstrate professional qualities and behavior towards the staff and Fellow colleagues during sessions and tasks

D3. Appraise the importance of lifelong learning with ability to design and implement telemedicine academic research.

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Course Contents

Annotation:

[Complete the table to indicate the amount of time and the total number of contact hours intended to be given for each topic in the course].

[If part of a week is allocated for a particular topic use decimals to indicate time fraction. (For example a particular topic may be planned for 2.5 or 3.5 weeks)].

Week No.	Topics	Related Course CLOs	Contact hours of <i>Learning and Teaching Methods</i>				
			Lectures	Online Activities	Tutorial	Self-study	Seminar
W1	Introduction to Telemedicine	A1-B1	2	3		5	2
W2	The Telemedicine requirement and limitation	A1-B1	2	3	2	3	2
W3	Team-Based Care	A2- B2	2	3	2	-	5
W4	Cultural Competency	A4-B2		5	2	5	-
W5	Telemedicine for health professionals	A2-B2-C2-D1	2	3	2	5	2

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W6	Telemedicine in the Developing area	B2-C1-D3	-	4	2	4	2
W7	Telemedicine for Medical Research	B3- B4- C4-D3	-	4	2	4	2
W8	Midterm Exam						
W9	Evaluation of telemedicine systems	C4-B4-D1	-	4	-	6	2
W10	Telemedicine and patient communication	A4-B3- C1-D2	2	4	2	2	2
W11	Telemedicine & medical documentation	C1-D2	-	4	2	4	2
W12	Telemedicine use for special case	C2-D2	-	4	2	4	2
W13	Telemedicine & crisis	B3-C2-D2-D3	-	4	2	4	2
W14	Telemedicine and policy	A3-B2- D1	2	4	2	2	2
W15	New innovations in telemedicine	C3-D3	-	4	2	4	2

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W16

FINAL EXAM

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5- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods

Course ILOs	Learning and Teaching Methods*	Assessment Methods**
A- Knowledge and understanding	Lecture – Discussion	Written exam
B- Practical and professional skills	Tutorial – Online activities	Presentation & assignments
C- Intellectual skills	Self-learning- Lecture- Seminars	Written exam-presentation of case study
D- General transferrable skills	Group learning activity	Presentation & Seminar activity

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Form Name : Course Specifications of [Telemicine] in master of health care management Rev. No. :03
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6- Assessment Schedule:

Assessment	Week
Midterm Exam	W8
Presentation of case study	Every 2 weeks
Assignments	Every week
Final Exam	W16

7- Weighting of Assessments:

Assessment	%
Seminar activities	10%
Midterm Exam	20%
Presentation of case study	20%
Assignments	20%
Final Exam	30%
Total	100%

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Form Name	: Course Specifications of [Telemedicine] in master of health care management]	Rev. No.	:03
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8- Facilities required to implement the course:

Teaching Aids: classroom equipped with lighting, ventilation, air conditioning, white boards, computers, markers a visual screen, data show projector, internet connection, LAN and moodle.

9- List of Text books and references

a. Course Note:

- 1. PowerPoint slides (PPT Files). They will be uploaded on the Moodle on a weekly basis.*
- 2. Articles and videos for discussion in the class*

b. Recommended books:

- 1. Tarik A. , Chinmay C and Kym F (2020) Advancis in telemedicine for health monitoring*
- 2. George J. Mandellos, George V. Koutelakis, Theodor C. Panagiotakopoulos, Michael N. Koukias and Dimitrios K. Lymberopoulos (2009). Requirements and Solutions for Advanced Telemedicine Applications, Biomedical Engineering, Carlos Alexandre Barros de Mello (Ed.).*
- 3 . Association of American Medical Colleges , (2021). telehealth competencies across the learning continuum.*

C. Websites :

- 1. <http://www.intechopen.com/books/biomedical-engineering/requirements-and-solutions-for-advanced-telemedicine-applications>*

Dean of the faculty: Prof. Sabri Elkhargeli
Course Coordinator: Prof. Abdulla Elmansouri

MU



Faculty of Economics and Political Science

Syllabi of SAHA Subjects

Course Objectives

1. Develop an appreciation and understanding of the application of economics to healthcare management practice; and
2. To describe what is meant by efficiency and opportunity cost.
3. To understand the concepts of a demand and supply and to be able to identify factors that shift supply and demand for goods and services and list the factors which influence the demand and supply of health care.
4. To explain how prices of goods and services are determined by the forces of supply and demand.
5. Understand the importance of the concept of elasticities and interpret, and calculate an elasticity.
6. To define the concept of utility and its application to consumer decision-making
7. To describe what is meant by a production function and the firm's objective with respect to input factor substitution, economies of scale and technology adoption decisions.
8. To know the core assumptions of perfect competition and monopolistic market and to present several and to understand the main characteristics of the healthcare market.
9. By the end of this course, students will have developed a set of analytical and conceptual tools that can be applied to health care issues and problems from an economic perspective to understand the main characteristics of the healthcare market

Course content

	Topic	Credit hrs	ECTS	Lect ures
1	Economics and Health Economics; definitions and Concepts.	2	6	1
2	Demand and Supply for Goods and Services. Supply and Demand for Health Services.	2		1
3	Demand and Supply continued	2		1
4	Market Equilibrium for Goods and Services; Pricing Mechanism.	2		1
5	Utility Concept and the Consumer Behaviour to Maximize the benefits from Consumption	2		1
6	Utility Concept .. continued	2		1
7	Production Theory; Production of Goods and Services and Objective of Firms from Production decesion.	2		1

8	Midterm Exam.	2		1
9	Cost Concept; Costs Types and the Distinguishing between them; Short and Long Run Costs.	2		1
10	Markets of Goods and Services; Perfect Competition.	2		1
11	Monopolistic Market.	2		1
12	Healthcare Markets and External Impacts.	2		1
13	Markets Failure and Government Intervention.	2		1
14	Practical Cases.	2		1
Total		28	06	14

Course Evaluation

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%20
2	Midterm Exam	8 th week	%20
3	Final Exam	15 th week	%60
Total			%100

Text Book

- Wonderling, D., Gruen, R & Black, N (2005) **Introduction to Health Economics**, Open University Press, England.
- Folland S., A. Goodman & M. Stano (2010) **The Economics of Health & Health Care**, Sixth Edition, Prentice Hall, New Jersey.
-

 **Course Objectives**

1. Introducing the student to administrative theories and the nature of the administrative process in health institutions.
2. Enhancing the student's conviction of the important role of administrators in the field of healthcare in modern societies
3. Providing the student with concepts related to the functions, tasks and duties of the manager and the decision-making process.

 **Course Evaluation**

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%20
2	Midterm Exam	8 th week	%20
3	Final Exam	15 th week	%60
Total			%100

 **Text Book**

- Buchbinder, B & Shanks, H (2012) **Introduction to Health Care Management**, Jones & Bartlett.

 **Course Contents**

Syllabus Outline		Delivered Hours	ECTS	Lectures
1	Introduction to Management and Role of Managers.	4	6	1
2	Introduction to Management and Role of Managers.			1
3	Introduction to Healthcare System.	2		1
4	Governance in Healthcare.	2		1
5	Planning and Goals in Healthcare.	2		1
6	Organizational Structures in Healthcare.	2		1
7	Motivation and Incentives Systems in Healthcare.	2		1
8	Midterm Exam.	2		1
9	Teamwork and Communications in Healthcare.	2		1
10	Organizational Culture in Healthcare.	2		1
11	Information Systems in Healthcare.	2		1
12	Learning and Problem Solving in Healthcare.	2		1
13	Quality Management Systems in Healthcare.	2		1
14	Control Systems in Healthcare.	2		1
Total		28	06	14

Course Objectives

1. Understand the factors that influence consumer demand for health
2. Compare and contrast the objectives and behavior of non-profit and for-profit organizations.
3. Familiarize students with the methods used to finance health services Familiarize the student to the various health insurance systems.
4. Understand the fundamentals of hospital and physician services production
5. Understand the nature of competition within the hospital and physician services markets
6. Compare and contrast the services offered by non-for-profit hospitals and for-profit hospitals
7. Explain the primary market failures within health care industries and the rationale for government intervention
8. Ability to Apply Economic Evaluation methods to Healthcare programmes.
9. Describe the U.S. market for health insurance, including how adverse selection and moral hazard influence market functioning and competition
10. Understand the linkages between health and edu

Course Evaluation

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%20
2	Midterm Exam	7 th week	%20
3	Final Exam	15 th week	%60
Total			%100

Text Book

- Santerre, R & Neun, S (2010) **Health Economics: Theory, Insights and Industry Studies**, 5th Edition, Joe Sabatino, USA.

 **Course Contents**

week	Syllabus Outline	Delivered Hours	ECTS	Lectures
1	Demand for health and health care and its determinants	3	9	1
2	Supply and Cost functions for healthcare Determinants of supply of healthcare	3		
3	Production functions of healthcare and healthcare productivity Cost functions including hospital cost and efficiency analysis	3		
4	Healthcare markets Characteristics of healthcare goods and services Positive and negative externalities in healthcare	3		
5	Market failure <ul style="list-style-type: none"> ▪ Asymmetric information (moral hazard and adverse selection) ▪ Externalities in healthcare 	3		1
6	Monopolistic Competition Market.	3		1
7	Market Failure and the Role of Governments in Healthcare	3		1
8	Midterm Exam.			
9	Health Insurance	3		

	<ul style="list-style-type: none"> • The Demand for and Supply of Health insurance • Market failure in health insurance markets 			
10	Economic Evaluation of Health Interventions <ul style="list-style-type: none"> • Methods of Economic Evaluation of Health Care interventions -Cost Analysis and Cost Effectiveness Analysis 	3		
11	<ul style="list-style-type: none"> - Cost Utility Analysis³ - Cost Benefit Analysis³ 	3		
12	<ul style="list-style-type: none"> • Applications to Economic Evaluation of Health Care interventions 	3		
13	Health and Development <ul style="list-style-type: none"> • Measures of health (macro) and measures of development • Health, Health Expenditure and Growth 	3		
14	<ul style="list-style-type: none"> • Linkage between poverty, education and health • Social, Political, Religious and Regional Dimensions of Health 	3		
15	Healthcare Financing, Uncertainty in Healthcare <ul style="list-style-type: none"> • Sources of Health Financing • Sustainable finance 	3		1
Total		42	09	15

- 1-Wonderling, D., Gruen, R & Black, N (2005) **Introduction to Health Economics**, Open University Press, England.
- 2-Folland S., A. Goodman & M. Stano (2010) **The Economics of Health & Health Care**, Sixth Edition, Prentice Hall, New Jersey.
- 3-Witter, S., Ensor, T., Jowett, M. and Thompson, R. (2015). **Health Economics for Developing Countries: A Practical Guide**. KIT Publishers, 2015

Course Objectives

1. Introducing the student to concepts and theories related to the field of healthcare management.
2. Familiarizing the student with basic administrative skills and the ability to work effectively with others.
3. Providing the student with concepts of management functions and ways of interacting with them in order to acquire new skills.
4. Introducing the student with skills related to the leadership and management of healthcare institutions.
5. Providing the student with specific concepts of the behaviour of individuals and work groups in health institutions.

Course Evaluation

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%20
2	Midterm Exam	8 th week	%20
3	Final Exam	15 th week	%60
Total			%100

Text Book

- Walshe, K & Smith, J (2006) **Healthcare Management**, 1st Edition, Open University Press, England.

 **Course Contents**

Syllabus Outline		Delivered Hours	ECTS	Lectures
1	Health Management: Its Concept and Importance.	3	9	1
2	Healthcare System, Administrative Process in the Health Organization.	3		1
3	Management Functions: Definition of Planning, Benefits of Planning, Types of Planning, Elements of Planning and Stages of Planning.	3		1
4	Characteristics of Effective Planning, Planning Obstacles, Planning Importance, Characteristics of Successful Planning and Strategic Planning.	3		1
5	Theories of Organization and Design of the Organizational Structure of a Health Organization.	3		1
6	The Pillars of Organization (Delegation and Responsibility).	3		1
7	Orientation and Communication in Health Organizations.	3		1
8	Midterm Exam.	3		1
9	Leadership in Healthcare Organizations and Institutions.	3		1
10	Decision-Making Process in Healthcare Organizations.	3		1
11	Communication in Healthcare Organizations.	3		1
12	Human Resources Management (HRM) in Health Organization and the Work Environment.	3		1
13	Motivation and Incentives in Health Organizations.	3		1
14	Oversight Function in Health Organizations.	3		1
Total		42	09	14

 **Course Objectives**

1. Introducing students to theories and strategies related to organizational change.
2. Developing the student's ability to use appropriate development strategies for different environmental situations.
3. Enabling the student to practice the correct steps of the organizational development processes.
4. Developing the student's abilities to diagnose, identify and address the challenges of organizational change.
5. Enhancing students' abilities to deal positively with resistance of change and development in organizations.

 **Course Evaluation**

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%20
2	Midterm Exam	7 th week	%20
3	Final Exam	15 th week	%60
Total			%100

 **Text Book**

- Austin, M. (2016). **Business Development for the Biotechnology and Pharmaceutical Industry** (1st ed.). Taylor and Francis.

 **Course Contents**

Syllabus Outline		Delivered Hours	ECTS	Lectures
1	Introduction to Organizational Development.	3	9	1
2	Concepts Related to Organizational Development.	3		1
3	Strategies of Change and Organizational Development.	3		1
4	Strategic Planning for Change and Organizational Development.	3		1
5	Environmental Analysis and Organizational Development.	3		1
6	Analyzing Problems and Making Developmental Decisions.	3		1
7	Midterm Exam.	3		1
8	Creative Thinking and Organizational Development.	3		1
9	Resistance of Change and Organizational Development.	3		1
10	Total Quality Models and Organizational Development.	3		1
11	Matrix Analysis of Boston Consulting Group (BCG).	3		1
12	Competitiveness and Organizational Development.	3		1
13	Approaches to Change and Development in Organisations.	3		1
14	Local, Arabic and International Experiences in Organizational Change and Development.	3		1
Total		42	09	14

 **Course Objectives**

1. Providing the student with the concepts of telemedicine.
2. Enabling the student to diagnose administrative, technical and organizational problems related to telemedicine.
3. Developing the student's ability to use appropriate modern technical methods in telemedicine.
4. Enhancing the student's ability to analyze the difficulties facing the use of telemedicine.
5. Developing the student's ability to interpret data and results in order to draw up policies and make decisions on scientific and practical bases.

 **Course Evaluation**

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%10
2	Theoretical Midterm Exam	7 th week	%15
3	Practical Midterm Exam	7 th week	%15
4	Theoretical Final Exam	15 th week	%30
5	Practical Final Exam	15 th week	%30
Total			%100

 **Text Book**

- Shasi Gogia, (2019) **Fundamentals of Telemedicine and Telehealth**, Academic Press.
- McLean, Pagliari et al (2013) **The Impact of Telehealthcare on the Quality and Safety of Care: A Systematic Overview**, (Reading).

 **Course Contents**

Syllabus Outline		Delivered Hours	ECTS	Lectures
1	Introduction to Telemedicine and Telehealth.	3	9	1
2	Telehealth in the Home.	3		1
3	Smart Housing and Communities.	3		1
4	Telemedicine for Health Professionals.	6		1
5	Telemedicine for Health Professionals.			1
6	Telehealth in the Developing World.	3		1
7	Midterm Exam.	3		1
8	Human and Sociotechnical Factors.	6		1
9	Human and Sociotechnical Factors.			1
10	Ethical and Legal Challenge.	6		1
11	Ethical and Legal Challenges.			1
12	Evaluation of Telemedicine Systems.	6		1
13	Evaluation of Telemedicine Systems.			1
14	Future Trends in Telemedicine.	3		1
Total		42	09	14

 **Course Objectives**

1. Introducing the student to the information systems that enable him to evaluate performance.
2. Enabling the student to understand methods and mechanisms of information flow within the organization.
3. Developing the student's ability to diagnose problems that may lead to poor performance.
4. Enabling the student to develop solutions to correct poor performance.
5. Developing the student's ability to apply selection policies according to performance rates.

 **Course Evaluation**

Evaluation Method		Evaluation Date	%
1	Assignments and Attendance	During Semester	%20
2	Midterm Exam	8 th week	%20
3	Final Exam	15 th week	%60
Total			%100

 **Text Book**

- Smither, J & London, M (2009) **Performance Management: Putting Research into Action**, Jossy – Bass.

 **Course Contents**

Syllabus Outline		Delivered Hours	ECTS	Lectures
1	Introduction to Performance Management.	3	9	1
2	Elements of Performance Management.	3		1
3	Standards of Job Performance.	3		1
4	Analysis of Job Performance.	3		1
5	Steps to Improve Job Performance.	3		1
6	Factors Effecting Employee Performance.	3		1
7	Performance Theories Development with Management.	3		1
8	Midterm Exam.	3		1
9	Evaluation of Institutional Performance and its Relationship to Administrative Reform.	3		1
10	Measures of Institutional Performance.	3		1
11	The Basic Stages of Human Performance Management.	3		1
12	Methods Used to Solve Performance Problems.	3		1
13	Strategies for Managing Functional Behaviour and Improving Performance.	3		1
14	Scope of Application of Performance Management System.	3		1
Total		42	09	14

SeU



Sebha University

Master of healthcare management

Course Overview

Master Degrees prepare students to apply advanced knowledge for professional practice, further learning corresponding to level 10 qualifications.

The Master of Healthcare management course is designed for clinicians, managers and administrators who wish to up skill in areas of leadership and management, quality and safety, health economics, health policy, health systems as well as planning and evaluating health services as well as experience an introduction to research in the discipline. Students gain practical leadership and management skills that can be translated to the workplace, allowing them to lead and manage high performing teams in the healthcare environment. This course focuses on practical ways that students can approach challenging issues that are associated with the complexity of a modern health care environment and how to manage relationships with other service providers, consumers and policy makers. With academics that are actively working within the health care industry and collaborating with key industry partners both internationally and nationally, students have access to real life experience and research.

Vision

To be a leading department in the region that produces graduate and qualified leaders in the area of health and hospital administration who can make appropriate health decision making in solving health care issues and problems

Mission

To facilitate health care institutions, in both public and private sectors, with qualified health decision makers who can conduct scientific research and contribute to meet health needs of the population.

The Course Objectives

- 1 - Acquire skills necessary to prosper in the increasingly competitive health care field.
- 2- To understand healthcare delivery systems.
- 3-To acquire and practice leadership and managerial skills that will positively affect performance as a healthcare manager.

COURSE DESCRIPTION

HM 904: HEALTH MANAGEMENT INFORMATION SYSTEM

Level: Master

Credits ECST

Location: ON Campus

Term: 1

Department: Healthcare Management

Academic Year: 2023 - 2024

Description: Provides a broad overview of healthcare information systems with emphasis on historical foundations, current issues, and industry pressures pushing modernization and increased sophistication in the use of technology. Major topics include an overview of healthcare use of information technology, medical informatics, public health informatics, information technology infrastructure, ethics in computing, computer security, consumer informatics, clinical software, computing in clinical education, research computing, health information exchange, and the future of healthcare computing

OBJECTIVES

- 1- Interpret healthcare industry challenges that have put healthcare IT and informatics into the national agenda; Design strategies and initiatives to respond to these challenges
- 2- Assess and compare public health initiatives requiring data collection, data analysis, and data visualization; recommend how efforts should be synchronized and integrated with clinical computing and workflows
- 3- Contrast and compare consumer and medical informatics; recommend how new types of software and data exchange between clinicians and patients can impact clinical care and outcomes

4-Assess how modern computing and networks have created new risks and vulnerabilities; evaluate examples of IT issues impacted by ethics in the clinical care, research, and education areas

5-Summarize what the secondary use of EHR data is and provide examples on how clinical data can be used to support research and improve the quality of care

Learning outcomes

Participants will learn about health information, be able to use it in health management and become skilled in using tools for analyzing it.

Topic

- The principles of an action-led, district based information system
- Calculation of target populations for a given catchment population
- Audits of existing information systems at district level
- Development of goals, targets and indicators for district level programmers
- Calculation of different types of indicators using local data
- Presentation of information in the form of tables and draw graphs
- Analyze indicators for trends over time and compare different facilities and districts
- Provision of feedback to data collectors and community structures
- Using the computer to enter data and getting basic feedback

Current debates on topics of health management

HM 906: Managerial Accounting

Level: Master

Credits ECST

Location: ON Campus

Term: 1

Department: Healthcare Management

Academic Year: 2023 - 2024

Description: This course covers some main topics related to the use of accounting information for managerial decision-making. These topics include cost-volume-profit analysis, incremental analysis, capital investments, and budgeting

OBJECTIVES

1- To enhance the abilities of learners to develop the concept of management accounting and its significance in the business

2- To enhance the abilities of learners to analyze the financial statements

3- To enable the learners to understand, develop and apply the techniques of management accounting in the financial decision making in the business corporates

4- To make the students develop competence with their usage in managerial decision making and control

Learning outcomes

1- Analyze and explain key managerial accounting concepts and principles.

2- Analyze and record business transactions common to the manufacture of inventory in Job order costing systems

3- Recall how to budget efficiently and measure performance by analyzing standard costs

4- identify joint allocation principles and effective decision making skills for accounting managers

5- Recognize the basics of attaching products to services, process costing and activity based costing

Topic

- 1: What Is Managerial Accounting
- 2: How Is Job Costing Used to Track Production Costs
- 3: How Does an Organization Use Activity-Based Costing to Allocate Overhead Costs
- 4: How Is Process Costing Used to Track Production Costs
- 5: How Do Organizations Identify Cost Behavior Patterns
- 6: How Is Cost-Volume-Profit Analysis Used for Decision Making
- 7: How Are Relevant Revenues and Costs Used to Make Decisions
- 8: How Is Capital Budgeting Used to Make Decisions
- 9: How Are Operating Budgets Created
- 10: How Do Managers Evaluate Performance Using Cost Variance Analysis
- 11: How Do Managers Evaluate Performance in Decentralized Organizations
- 12: How Is the Statement of Cash Flows Prepared and Used

HM 903: Bio Statistics

Level: Master

Credits ECST

Location: ON Campus

Term: 1

Department: Healthcare Management

Academic Year: 2023 - 2024

Description: The purpose of this course will be to provide advanced undergraduate and graduate students a solid background in the core concepts of applied biological statistics, the use of the software R for data analysis, and the use of Markdown for documenting reproducible analyses. The course will review basic statistical concepts, thoroughly cover contemporary linear regression and analysis of variance (ANOVA), and introduce the advanced concepts of generalized linear models (GLMs) such as logistic regression and mixed effect models. Students will work together on small group projects, and also develop an independent project to practice these methods or to begin using more advanced approaches

OBJECTIVES

- I-To apply the scientific method and hypothesis testing to experimental design
- 2-To implement appropriate experimental designs to biological investigation
- 3-To assess experimental results with appropriate statistical test
- 4- To interpret statistical output, both biologically and statistically
- 5- To present results of experimental designs using computer software packages
6. To differentiate among the variety of experimental designs and successfully apply an appropriate statistical test
- 7-Data science & reproducible research

Learning outcomes

- 1-define the principal concepts about biostatistics
- 2- recognize the definition of statistics, its subject and its relation with the other sciences
- 3- restate the principal concepts about biostatistics
- 4- collect data relating to variable/variables which will be examined and calculate descriptive statistics from these data
- 5-identify data relating to variable/variables
- 6-identify convenient sample by using sampling theory
- 7-identify distribution form relating to the variable/variables
- 8- recognize the binomial distribution

Topic

1. Data and data types (categorical, ordinal, quantitative, etc)
2. Descriptive statistics (mean, standard deviation, median, quartiles, frequency, relative frequency) and graphs (bar chart, histogram, scatterplot, boxplots, run charts, etc)
3. Using statistical software
4. Statistical inference (populations, random samples and the probability relationship between them)
5. Probability distributions (binomial and normal), what they represent and how they are used
6. Confidence intervals as a method of statistical inference and the role of the central limit theorem
7. Hypothesis tests as a method of statistical inference, the 5 steps in hypothesis testing
8. t-procedures for statistical inference on means and mean differences
9. Chi-square procedures for statistical inference on associations between categorical variables
10. Statistical power and sample size in relation to one sample and difference between two sample confidence intervals and hypothesis tests only
11. Correlation and multiple regression models and associated confidence intervals and hypothesis tests
12. Nonparametric alternatives to t-procedures

901 Introduction to health economic and health management

Course Description:

This module introduces key economic concepts in relation to healthcare. It promotes an understanding of the essential economic principles and their application in health. The module starts by considering the healthcare market and the cost of delivering healthcare.

Course Learning Outcomes:

1. Demonstrate their understanding of the basic economic concepts and their application to healthcare
2. Analyze the economic approach to resource allocation in the health sector
Discuss specific features that distinguish demands and supply for health care from demand and supply for other goods and services then moved on to consider the healthcare sector performance and redesign

Major Course Topics:

- 1- Terms and definitions in health economics, including scarcity, opportunity cost, efficiency and equity
- 2- Demand and supply in healthcare
- 3- Cost of delivering health services
- 4- Basic market models and the markets for healthcare services
- 5- Market failure and government
- 6- Allocative efficiency and priority setting
- 7- Performance of the healthcare sector
- 8- Economic tools in the analysis of the market for healthcare
- 9- Economics for health sector reform

908 Performance Management

Course Description:

This course aims to understand the importance of Performance Management in business and how it can contribute to measure the level of strategy implementation towards results of a company or institution. Students will therefore obtain a basic understanding about the critical aspects, when developing a performance management & measurement system. Topics include the control function of management, Management control alternatives and their effects, Financial results control systems, Performance measurement issues and their effects, Performance measurement and the balanced scorecard, Strategy maps, Creating performance measures.

Course learning outcomes:

1. Understand the importance of Performance Management in business
2. Measure the level of strategy implementation towards results of a company or institution. Understand the critical aspects, when developing a performance management & measurement system. The focus will especially be driven on the Determining technique of the balanced scorecard (BSC), which combines financial and non-financial ratios to an integrated framework of strategic leadership and controlling.

Major Course Topics:

1. The control function of management
2. Management control alternatives and their effects
3. Financial results control systems
4. Performance measurement issues and their effects
5. Performance measurement and the balanced scorecard
6. Strategy maps
7. Creating performance measures

HR 900 Research Methodology

Course Description:

This course will provide the students with the basics of research and a broad introduction to the methodological foundations and tools to make research. The course covers the basics of research methodology for graduate level students and introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative, and mixed methods approaches. Participants will use theoretical aspects to begin to critically review literature relevant to their field of interests. Students will learn how to identify problems to study, develop hypotheses and research questions, specify independent and dependent variables, check for the validity and reliability of studies and design research projects. They will be exposed to a broad range of designs used in their researches from laboratory and field experiments, surveys, content analysis, focus groups and in-depth interviewing

Course Learning Outcomes:

1. Describe the use of statistical software and other tools in data analysis for contrast, compare methods of collecting and analyzing data.
 2. Define the research process and its importance to furthering knowledge in the field of healthcare management.
 3. Explain the range of qualitative, quantitative, and mixed methods research methodologies available, including their strengths and limitations.
 4. Illustrate a research proposal addressing a healthcare problem.
- Evaluate ethical research practices and principles in healthcare research.

Major Course Topics:

1. Introduction to Healthcare Research
2. Planning and Preparing for Research
3. Reviewing Literature and Proper Citation
4. Quantitative Study Approaches: Observational Studies
5. Experimental Studies and Correlational Studies
6. Qualitative and Mixed Methods Research Methodologies
7. Ethical Considerations
8. Designing the Study
9. Collecting Primary Data
10. Secondary and Tertiary Data
11. Managing and Analyzing Data
12. Software and Other Tools Used in Healthcare Research
13. Article Structure
14. Disseminating Research

HM 909: Business development

Level: Master

Credits ECST

Location: ON Campus

Term: 1

Department: Healthcare Management

Academic Year: 2023 - 2024

Description: Business developers and entrepreneurs must be able to design the future strategy for their business or business area. We acknowledge that the environment, the opportunities and the plans are likely to change over time. Strategic plans and programs are important tools in aiding the business developer or entrepreneur to make sense of environmental and organizational dynamics.

In this module students participate in a real-life strategic process which requires them to act based on assembled knowledge and take part in developing a business idea, for example by developing a business plan for a start-up, or by developing a business plan for a new venture within an established organization

OBJECTIVES

- Analyze the concept of the entrepreneurial mindset and apply it to the execution of a project from the generation of the idea, business model and the feasibility analysis of the project.
- Develop reflective and analytical skills when evaluating a project.
- Experience the seemingly paradoxical and dynamic nature of entrepreneurial process, from the idea generation stage to the collection of information and further refinement of the original idea.
- Determine the feasibility of the business concept through industry, market, trend and economic analysis.
- Prepare a written report with your business idea and the pitching of your project

Learning outcomes

After completing this module, the student should be able to:

-demonstrate analytical and integrative skills in solving advanced tasks within business development

-apply acquired knowledge and understanding from this module as well as from previous courses to, within given timeframes, design a business plan

-integrate sustainability when analyzing and solving business development tasks

-critically reflect upon the individual's and the group's ability to work effectively with external organizations

-orally and in writing for stakeholders, present analyses, ideas and conclusions developed and/or drawn by the team or individually

-evaluate his/her competence and need for competence development in order to work with strategic business development

HM 902 Healthcare Management

Course Description:

This course provides a foundation in Healthcare Management. It will give an introduction to the principles of management and leadership as the foundations for the administration of health care products and service delivery. The evolution of management principles and practices are traced and the bases for health care administration are analysed. The courses will emphasis on the management of global health care systems in technological societies and the need for innovation and creativity in health care administration. The student will learn the roles of a manager in healthcare organizations, models and styles of leadership, theories of motivation and motivational strategies, strategic planning, outcome monitoring and control, healthcare marketing, quality improvement basics, financing healthcare, managing healthcare professionals and human resources, teamwork, and fraud and abuse of the healthcare system.

Course Learning Outcomes:

1. Describe the leadership abilities and groups & team building skills in healthcare administration
2. Recognize the different approaches and management which transforming the healthcare administration landscape in Libya
3. Illustrate the role of effective communication practices and key functions of human resources in healthcare administration
4. Explain various problem arising in healthcare field related to change in Libya
5. Evaluate strategic assessment & planning and its effectiveness & efficiency in Libyan healthcare organizations

Course Topics:

Healthcare Policies and Regulations in Libya

Fundamentals of Healthcare Administration

Organization of Hospitals in Libya

Disease Control Management

Medical-Legal Issues

Quality Assurance

Administration of Hospital in Libya

Information Management

Healthcare Legislation in Libya

Healthcare Planning

Hospital Enterprises Management

Medical terminologies

HM 905 Health Economics

Course Description:

In this course, students receive practical knowledge about and apply economic theories and principles to understanding healthcare economic issues and problems related to the amount, organization, and distribution of healthcare resources. Students will learn and apply economic principles such as supply and demand, economic theories, resources allocation, competitive markets, market evaluation methods, and cost effectiveness analysis related to making choices about and understanding the consequences of resource scarcity in the healthcare industry.

Course Learning Outcomes:

1. Outline the Libyan healthcare economy challenges for the future, and application to practice.
2. State Libyan healthcare economics, theories, models, measures, and tools that influence industry success.
3. Appraise economic implications of expenditure and cost control.
4. Analyze economic metrics of evaluating and managing risk and the impact of health insurance.
5. Evaluate the demand for healthcare and necessary supply of services, workforce, value

Major Course Topics:

1. Considering Healthcare Economics
2. The Traditional Competitive Module
3. Evaluating and Managing Risk
4. Demand for Health, Insurance, and Services
5. Considerations of Demand
6. Healthcare Supply Competition
7. The Profit Motive in Healthcare

- 12-
8. The Healthcare Workforce
 9. Expatriate Considerations
 10. Equity and Justice
 11. Healthcare Expenditures
 12. Economic Evaluation in Healthcare
 13. Healthcare Systems in Libya

DR .Abdulsalam E. E. Ibrahim
SAHA Project Responsible

Mr. Abraheem Massoud
Responsible for the Master program

Dr. Masoud Alaragig
President of Sebha



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Training and High Studies Management
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Master of Healthcare Management



Syllabus of Modules that approved to teach in Master of Healthcare Management

Major Course Topics: Business Development Management: (HCM564)
Introduction to Business Development (BD)and Entrepreneurship
BD Definition and Importance
BD Position in the organisation
Basic Issues of BD
Introduction to Marketing and Sales Process
Functional Roles Distribution – Team Work
Methods and Tool of Business Analysis
Introduction to Business Strategy (Sticky Wall, Divergence and Convergence Tools)
Business Models (Canvas) Definition and Analysis
Sales Ecosystem
Introduction to Case Study and How to Apply
Benefit of Business Development

Major Course Topics: Performance Management (HCM563)
1. The introduction to Performance Management
2. Components of Performance Management
3. Performance Management Processes
4. Control function as Core function for Performance Management: alternatives and their effects
5. Financial results control systems
6. Performance measurement issues and their effects
7. The concept of Performance measurement
8. Organization and Individuals Performance Management.
9. Performance measurement methods
a. the balanced scorecard
b. pay for performance
c. 360 degree feedback
d. measurement by objectives
e. areas of using the results of performance appraisal
f. analyzing job performance
g. Planning for performance Collection and analyze of performance data



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▪ -Collecting
▪ -Monitoring and improving performance
10. Strategy maps
11. Creating performance measures
▪ criteria for evaluating job performance
12. Factors affecting employee performance
13. Current trends in performance management in Healthcare
14. Challenges face Healthcare Performance Management in Libya

Major Course Topics: Introduction to Health Economics for Healthcare (HCM 500)
1. Terms and definitions in health economics, including scarcity, opportunity cost, efficiency and equity
2. Demand and supply in healthcare
3. Cost of delivering health services
4. Basic market models and the markets for healthcare services
5. Market failure and government
6. Allocative efficiency and priority setting in healthcare
7. Performance of the healthcare sector
8. Economic tools in the analysis of the market for healthcare
9. Economics for health sector reform

Major Course Topics: Health Economics (HCM501)

1. Considering Healthcare Economics
2. The Traditional Competitive Module
3. Evaluating and Managing Risk
4. Demand for Health, Insurance, and Services
5. Considerations of Demand
6. Healthcare Supply Competition
7. The Profit Motive in Healthcare
8. The Healthcare Workforce
9. Expatriate Considerations
10. Equity and Justice
11. Healthcare Expenditures
12. Economic Evaluation in Healthcare
13. Healthcare Systems in Libya
14. Libya's Future Healthcare Challenges, Vision 2030, and Beyond

Major Course Topics: Healthcare Management (HCM 502)



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1. Essential Components of the Healthcare Industry in Libya
2. Healthcare Organization Structures in Libya
3. Healthcare Organization Departments, Groups & Teams
4. Corporate Culture in Libya
5. Corporate and Regulatory Internal Compliance for Facilities
6. Leadership & Management
7. Marketing & Consumerism in Libya
8. Human Resources
9. Strategic Assessment and Planning in Libya
10. Productivity, Prioritization and Problem Solving in Libya
11. Goal Setting, Clarity and Communication in Libyan Healthcare Organizations
12. Change, Motivation and Innovation
13. Effectiveness and Efficiency in Libyan Healthcare Organizations
14. Managing the Evolution of Healthcare in Libya

Major Course Topics: Telemedicine (HCM 570)

1. Introduction to Telemedicine and Telehealth
2. Telehealth in the Home
3. Smart housing and communities
4. Telemedicine for health professionals
5. Telehealth in the Developing World
6. Human and sociotechnical factors
7. Ethical and legal challenges
8. Evaluation of telemedicine systems
9. Future Trends in Telemedicine

Major Course Topics: Performance Management (HCM 563)

1. The control function of management
2. Management control alternatives and their effects
3. Financial results control systems
4. Performance measurement issues and their effects
5. Performance measurement and the balanced scorecard
6. Strategy maps
7. Creating performance measures

Dr. M Dabnoon
Course Leader

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4) the syllabi are as follows:

Introduction to Health Economics for Healthcare Management module / Total hours 57

- Introduction to healthcare management: concepts, key terms and definitions
- Principles of management: history models, functions and skills
- Management theories
- Healthcare System in Libya and its main stakeholders
- Contemporary issues, challenges and barriers in healthcare management with an emphasis on the national healthcare system
- Economics and health an introduction
 - Terms and definitions in health economics, including scarcity, production, opportunity cost, efficiency, equity, and elasticity of demand
 - Terms and definitions in health economics, including scarcity, production, opportunity cost, efficiency, equity, and elasticity of demand
 - Flow of funds in healthcare Budgeting and Financial Management
 - Key health economic analytics
 - Introduction and overview of economic evaluation
 - Basic market models for healthcare services
 - Measuring health outcomes Priority setting in healthcare
 - Economics for health sector reform
 - Universal health coverage
 - Searching for literature in healthcare management and economics context
 - Group presentation of specific relevant topics in Health Economy



Healthcare Management /Total hours 50

- Organizational structure in healthcare / Socio-demographic environment and Management
- Leadership in health management
- Decision Making Process
- Organizational Development
- Organizational behaviour
- Organizational communication
- Strategic Management
- Project management
- Monitoring and Evaluation
- Inventory management
- Biomedical waste management
- Disaster and mass causality management (I)
- Disaster and mass causality management (II)
- Healthcare Quality and Safety Management (I)
- Healthcare Quality and Safety Management (II)
- Health System/Services Research & Evidence-Based Management
- Introduction to Health Management Information System (HMIS)
- Health Technology Assessment (HTA)

Business Development Total hours 54

- Introduction to business development
- Business Development Strategies
- Business Development Planning
- The Analysis Process of The Current Operations
- Sales Development



- Strategic Partnerships
- Entering New Markets
- Product Development
- Determine Performance Indicators and The Appropriate Budget
- Duties Of the Business Development Manager
- Business Development Manager Skills

Health Economics Total hours 56

- What Is Health Economics? / The Role of Economics
- The Demand for Health / The Demand for Health Care
- The Market for Health Insurance
- Supply
- Healthcare Production, Costs, and Supply
- The Healthcare Workforce Market / The Competitive Market
- Healthcare Markets
- Issues in Health Economics
- The Hospital Industry
- Evaluating the Healthcare System
- Comparing Healthcare Systems
- Healthcare Reform
- Public Policy and Health Economics
- The Hospital Industry

Telemedicine Total hours 23

- Introduction to telehealth and telemedicine
- Terminology
- Type of telehealth
- Why telehealth implementation is important?
- The role of telehealth in an evolving world



Examples for telemedicine applications in different medical specialties

- Telehealth technology: Requirements and considerations.
 - explore considerations and approaches for incorporating telemedicine specific technology into healthcare practice
 - Best practices of telemedicine
- Telehealth risks and barriers
 - The ability to identify and overcome the risks and barriers of telehealth solutions
- Exploring Telehealth opportunities.
- Organizational considerations: Workforce management and training
 - Introduction to *telehealth* models that help develop the rural *workforce*, especially through *training*
 - The approach identifies *four different stakeholder groups*: patients/careers/service users, health professionals/clinical
- Billing, reimbursement, and legal considerations
- Understand the often complex legal, regulatory
- Accountability, and reimbursement issues surrounding Telehealth
- Recognize the value of understanding users and contexts for effective telehealth design, and how to achieve this.
- Practical strategies and approaches to implementing telehealth in your organization.
 - Describe and explain a range of use cases, such as remote monitoring of non-communicable diseases, home-based and mobile self-management
- tools, hospital-at-home, and remote diagnostics



Performance Management module Total hours 37

- Introduction, Understanding performance management.
- Performance management: historical development, defining performance and defining performance management.
- Performance standard and key to high performance.
- Organizational performance and performance measures
- Performance improvement techniques
- Performance improvement goals
- Performance evaluation of employees
- Employee performance management
- Concept of performance appraisal
- Levels in a performance system
- Benefits of performance management, and scope of PM
- Performance appraisal and performance management
- Performance management and employee engagement
- Implementing a performance appraisal system
- Performance training programs and pilot testing
- Performance management and employee development
- Performance management skills
- Reward system and team performance management
- Legal principles affecting performance management
- Managing team performance
- Purposes and challenges of team performance
- Team performance management in healthcare organizations
- Types of teams and implications for performance management

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Business Administration Department

Course Specifications
Introduction to Health Economics and
Healthcare Management

1- General Information:

- Program on which the course is offered: MSc in Healthcare Management
- Department responsible for offering the course: Business Administration Department/ Faculty of Economics
- Course title and code: Introduction to Health Economics in Healthcare Management/ HCMG7601
- Program Degree: MSc
- Year/Term at which this course is offered: 1st semester
- Pre-requisites for this course (if any): None
- Credit Hours/ week: 12 ECTS European Credit Transfer and Accreditation System
- Course Coordinator/ Contact Details: Dr Hussein Albuaishi

2- Course Description

This course introduces key economic concepts in relation to healthcare. It promotes an understanding of the essential economic principles and their application in health. It introduces students to the theory of demand for health care, as well as individual health behaviour and the role of behavioural economics in health. Following this, it considers the supply, production of health services, and costs minimization. It also focuses on financing of health care and then explores inequalities in both the distribution and financing of health care, drawing on empirical analyses .

3- Course Objectives

By the end of this Course the student should be able to:

- Identify the key concepts of health economics.
- Introduce relevant theory of microeconomics and demonstrate its applicability to health care issues.
- Explain economic theory related to the behavior of economics agents, markets, and government policies.
- Analyse the economic approach to resource allocation in the health sector.

4- Course ILOs (Knowledge & Skills):

A - Knowledge and Understanding:

By the end of this course the student should be able to:

- a.1. Define the key concepts, issues and models in health economics.
- a.2. Understand consumer behavior and firm behavior/ supply side of health services.
- a.3. discuss different types of market structures (competition and monopoly market).



a.4. Apply economic principles to a range of policy questions such as insurance policy.

B Practical and professional skills

By the end of this course the student should be able to do the following tasks in the following topics:

- b.1. Use all the economic analysis tools in the field of health economics.
- b.2. Calculate the different types of elasticities and its applications in health economics.
- b.3. Analyze a consumer's utility maximization problem and the behavior of firms in a perfectly competitive market and monopoly market during the short-run and long-run.
- b.4. Compare different solutions for financing healthcare and healthcare providers.

C Intellectual skills:

By the end of this course the student should be able to

- c.1. Formulate economic models in a verbal, graphical and mathematical way.
- c.2. Test the economist's way of thinking whether can be applied to a wide range of applications in health care or not.
- c.3. Critically evaluate the assumptions underlying an economic model.
- c.4. Apply health economics techniques to inform resource allocation and priority setting in the health system.

D General transferrable skills

By the end of this course the student should be able to:

- d.1. Abstract and simplify essential features in order to frame a problem.
- d.2. Use a conceptual framework that is effective for problem solving and decision making.
- d.3. Transfer skills that are acquired from this course to the work area of health care.

5- Teaching strategies

Teaching strategies to be used to develop the required knowledge:

Students will attend lectures, be given readings, discuss cases, and have interactive in-class assignments.



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Introduction to Health Economics and
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Course Contents

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures	Tutorial	Discussion	Self-study
Concepts and Microeconomic Tools for Health Economics						
1.	Course requirements overview Introduction to economics and health economics: The Scope and Method of Economics, The Economic Problem, Key concepts in health economics.	a1, b1, c1	3	2	1	6
2.	Demand theory and supply theory	a1, c2	2	2	2	6
3.	Market Equilibrium: A simple market model, Health care markets and efficiency.	a1, b1, c2	2	2	2	6
4.	Demand and Supply Applications Elasticities	a1, b1, b2, c2	2	2	2	6
5.	Consumer theory: Utility, Indifference curves, Consumer equilibrium	a2, b3, c3	2	2	2	6
6.	Short-Run Costs and Output Decisions	a3, b3, d2	2	2	2	6
7.	Long-Run Costs and Output Decisions	a3, b3, d2	2	2	2	6
8.	Mid-term exam	-	-	-	-	-
9.	Market structure: Perfect competition	a3, d3	2	2	2	6
10.	Market structure: Monopoly	a3, d3, a4	2	2	2	6
Health economic						
11.	Production of Health	a3, b4, c3	2	2	2	6
12.	The Production, Cost, and Technology of Health Care	a4, b4, c3	2	2	2	6
13.	Determinants of healthcare demand and expenditures	a4, b4, c3	2	2	2	6
14.	Demand for Health Capital	a4, b4, c4	2	2	2	6
15.	Financing of health care: Insurance Demand and Supply of Health Insurance	a4, b4, c4	2	2	2	6
16.	Final exam	-	3	-	-	6



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Introduction to Health Economics and
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6- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods

Course ILOs	Learning and Teaching Methods	Assessment Methods
A	Lecture	Written & Random exams
B	Independent study assignments	Written assignments
C	Discussion paper, interactive in-class assignments	Journal articles, project works
D	Group-learning activities	Problem based exercises, independent Project works, research reports.

7- Assessment Schedule:

Assessment	Week
Assignments	Every week
Discussion & interactive in-class assignments	Every week
Mid-term	Week 8
Final Exam	Week 16

8- Weighting of Assessments:

Assessment	
Attendance	10%
Assignments at home, discussion paper, interactive in-class assignments	10%
Mid-term	20%
Final Exam	60%
Total	100%

9- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course. The electronic platform is crucial in teaching and delivering all economics courses.



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Introduction to Health Economics and
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10- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

b. Essential Books(Text Books):

1. Case & Fair & Oster, 'Principles of Economics', Tenth Edition, Pearson, 2012.
2. Mankiw N. Gregory, 'Principles of Economics', Sixth Edition, South-Western, 2012.
3. Folland S, Goodman AC, Stano M (2017), The Economics of Health and Health Care. Routledge (8th edition).
4. Lorna Guinness & Virginia Wiseman (ed.), 2011, Introduction to Health Economics, Second edition.
5. In addition to list of reading to enhance the ability of master students for seeking the knowledge.



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Health Economics

1- General Information:

- Program on which the course is offered: MSc in Health care Management
- Department responsible for offering the course: Business Administration Department/ Faculty of Economics
- Course title and code: Health Economics/ HCMG7602
- Program Degree: MSc
- Level/year at which this course is offered:3rd semester
- Pre-requisites for this course (if any) : Introduction to health economics
- Credit Hours/ week: 12 ECTS European Credit Transfer and Accreditation System
- Course Coordinator: Dr. Hussein Albuaihi

2- Course Description

This course is designed to provide advanced topics on health economics theory and policy. Topics covered include market failure in health sector, the supply side in health economics, hospitals economics, pharmaceutical economics and economic evaluation.

3- Course Objectives

This course aims to:

- Identify the major contributors to the market failure and the government intervention.
- Describe the different models of payment systems.
Understanding the main features of hospitals economics and pharmaceutical economics.
- Introduce basic concepts related to Health Technology Assessment (HTA).
- Discuss the main economic evaluation techniques for assessing and comparing health care programs and interventions.

4- Course ILOs (Knowledge & Skills)

By the end of this Course the student should be able to:

A - Knowledge and Understanding:

By the end of this course the student should be able to :

- a.1. Define the key concepts, issues and models in advanced health economics.
- a.2. Discuss the main contributors to market failure and justify the government intervention.



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- a.3. Apply the different models of payment systems for organizations and professionals.
- a.4. Test the implications of studying hospitals and pharmaceutical economies.
- a.5. Examine economic evaluation techniques for assessing and comparing health care programs and interventions.

B. Practical and professional skills

By the end of this course the student should be able to:

- b.1. Use all the economic analysis tools in the field of advanced health economics.
- b.2. Able to build a sort of control system or measurement system to evaluate or assess the objectives of payment systems.
- b.3. Compare the for-profit and non-for-profit nature of hospitals and explain the main features of pharmaceutical economics.
- b.4. Solve health care problems by using different types of economic evaluation.

C. Intellectual skills:

Demonstrate skills, such that the student is able to:

- c.1. Apply economic theory to understand and evaluate health policy proposals.
- c.2. Critically evaluate reports and articles with an advanced health economics content.
- c.3. Use empirical evidence to evaluate an economic argument
- c.4. Examine and conduct appropriate statistical analysis of health data.

D. General transferrable skills

- d.1. Work effectively in a team-work to achieve goals
- d.2. Show initiative and leadership abilities
- d.3. Good time management
- d.4. Problem-solving skills
- d.5. Defend arguments confidently.

5- Course Contents

The course is based on three building tasks to support participants to approach the advanced techniques and contents of health economics in masters dedicated to health care organizations specialists. These are in classroom lectures (or recorded and live sessions), group discussion, and assignments.



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Health Economics

Weeks	Topics to be Covered	Related Course ILOs	ECTS				Self- study
			lectures	Pres-	Assig-	Discu-	
1+2	<ul style="list-style-type: none"> Course requirements overview The market failure and government intervention Agency theory 	a1, a2, b1	3	-	3	-	6
3	<ul style="list-style-type: none"> Introduction to payment systems Payment systems: prospective and retrospective 	a1, a3, b1	2	2	2	-	6
4	<ul style="list-style-type: none"> Payment systems for organizations. 	a3, b2, c2	2	2	-	2	6
5	<ul style="list-style-type: none"> Payment system for professionals. 	a3, b2, c2	2	2	-	2	6
6+7	<ul style="list-style-type: none"> Small area variations 	a3, b3, c2	2	2	-	2	6
8	<ul style="list-style-type: none"> Economics of Hospitals 	a1, a4, b3	2	2	-	2	6
9	<ul style="list-style-type: none"> Economies of scale (larger scales of operation produce lower long run average total costs) 	a4, b3, c2	1	2	1	2	6
10	<ul style="list-style-type: none"> Pharmaceutical Economic -Innovation and its role in the health care system 	a4, b3, c2	2	2	2	-	6
11	<ul style="list-style-type: none"> Health technology assessments 	a1, a5, b4, c3	3	-	1	2	6
12+13	<ul style="list-style-type: none"> Economic evaluation: methods, costs. 	a5, b4, c4	3	-	2	1	6
14+15	<ul style="list-style-type: none"> Economic evaluation: outcomes, discission-making. 	a5, b4, c4	3	-	2	1	6
16	<ul style="list-style-type: none"> Final exam 	-	-			-	



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Business Administration Department

Course Specifications
Health Economics

Assessment	Week
presentation	Every weeks
Cases analyses & interactive in-class assignments	Depends on the topic
Final Exam	Week 16

6- Weighting of Assessments:

Example:

Assessment	
Attendance	10%
presentation	15%
Cases analyses & interactive in-class assignments	15%
Final Exam	60%
Total	100%

7- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course. The electronic platform is crucial in teaching and delivering all economics courses.

8- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

b. Essential Books(Text Books):

1. Folland S, Goodman AC, Stano M (2017), The Economics of Health and Health Care.Routledge (8th edition).
2. A. J. Culyer & J. P. Newhouse (ed.), 2000. "Handbook of Health Economics," Handbook of Health Economics, Elsevier, edition 1, volume 1, 2.
3. Lorna Guinness & Virginia Wiseman (ed.), 2011, Introduction to Health Economics, Second edition.

c. Readings and materials

- Corallo AN, Croxford R, Goodman DC, et al (2014). A



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systematic review of medical practice variation in OECD countries, Health Policy, 2014, 114(1):5-14.

- Eijkenaar F, Emmert, Scheppach M, Schöffski O (2013). Effects of pay for performance in health care: a systematic review of systematic reviews, Health Policy, 110(2-3):115- 30.
- Panteli D, et al (2016), Pharmaceutical regulation in 15 European countries review.
- Health Systems in Transition. 18(5):1-122.
(http://www.euro.who.int/data/assets/pdf_file/0019/322444/HiT-pharmaceutical-regulation-15-European-countries.pdf).
- Phelps EP (1995), Welfare loss from variations: Further considerations, Journal of Health Economics, 14(2):253-260.
- Saltman RB, Figueras J (1997), European Health Care Reform: analysis of current strategies (Chapter 5, pages 152-174)
- Schweitzer OS, Lu ZJ (2018), Pharmaceutical Economics and Policy, Oxford, Oxford University Press, Introduction (3-20).
- Scott A, et al (2011), The effect of financial incentives on the quality of health care provided by primary care physicians, Cochrane database of systematic reviews, 9 (CD008451).
- Sloan F, et al (2001), Hospital ownership and cost and quality of care: is there a dime's worth of difference? Journal of Health Economics, 20(1): 1-21.
- Villa S, Kane N (2013). Assessing the impact of privatizing public hospitals in three American states: implications for universal health coverage, Value Health, 16 (1 Suppl):S24-33.



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Healthcare Management/ HCMG7601

1- General Information:

- Program on which the course is offered: MSc in Healthcare Management
- Department responsible for offering the course: Business Administration Department/ Faculty of Economics
- Course title and code: Healthcare Management/ HCMG7601
- Program Degree: MSc
- Year/Term at which this course is offered: 1st semester
- Pre-requisites for this course (if any): None
- Credit Hours/ week: 12 ECTS European Credit Transfer and Accreditation System
- Course Coordinator/ Contact Details: Dr Nada Hawisa & Hatem kpzia

2- Course Description

3- Course Objectives

By the end of this Course the student should be able to:

1. Understanding the concepts of healthcare management and theories in healthcare management.
2. Develop basic managerial skills to work productively with others.
3. Develop the ability to work with others in diverse teams.
4. Integrate healthcare theory with real-world situations.

4- Course ILOs (Knowledge & Skills):

A - Knowledge and Understanding:

By the end of this course the student should be able to:

- a.1. Understanding the levels and Functions of healthcare management
- a.2. Describes the health administration and the health administrative organization and its general hierarchy.
- a.3. Recognizes the various aspects of management in the field of health care.
- a.4. Recognizes the basic principles of quality development and patient safety.
- a.5. Provide the student with the knowledge and skills required for information technology and health care financing

B Practical and professional skills

By the end of this course the student should be able to do the following tasks in the following topics:

- a.1. Student will recognize the basic principles related to the leadership and management of health care organizations.



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Business Administration Department

Course Specifications
Healthcare Management/ HCMG7601

- b.2. Student plans and evaluates health services and concludes the health needs of the administration.
- b.3. Student proposes how people, resources, systems and processes within health services can be managed to meet the changing environment while taking into account public needs and cost-effectiveness.
- b.4. Student distinguishes the risks inherent in health facilities and the basic aspects of prevention.
- b.5. Student plans, directs, and coordinates non-clinical activities within healthcare systems, organizations, and networks.

C Intellectual skills:

By the end of this course the student should be able to

- c.1. Students gain the ability to understand and be aware of the policies, laws, problems and issues facing the healthcare sector.
- c.2. Student will recognize laws and regulations related to health care and ethics.
- c.3. Student performs the process of needs analysis, organizational development management and quality management.
- c.4. Student proposes a strategic plan for managing health care services.
- c.5. Student should critically review planning and management in health care from an international perspective.

D General transferrable skills

By the end of this course the student should be able to:

- d.1. Abstract and simplify essential features in order to frame a problem.
- d.2. Use a conceptual framework that is effective for problem solving and decision making.
- d.3. Transfer skills that are acquired from this course to the work area of health care.

5- Teaching strategies

Teaching strategies to be used to develop the required knowledge:

Students will attend lectures, be given readings, discuss cases, and have interactive in-class assignments.

Course Contents

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures	Tutorial	Discussion	Self-study
Concepts and Microeconomic Tools for Health Economics						



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Course Specifications
Healthcare Management/ HCMG7601

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures	Tutorial	Discussion	Self-study
1.	Overview of Health-care Management	a1, b1, c1	3	2	1	6
2.	Health-Care Management Functions	a1, c2	2	2	2	6
3.	Leadership in Health-care Management	a1, b1, c2	2	2	2	6
4.	Organizational Behavior (OB) and Management Thinking	a1, b1, b2, c2	2	2	2	6
5.	Quality in Health-care Management	a2, b3, c3	2	2	2	6
6.	Commissioning and Licensing in Health-care Management	a3, b3, d2	2	2	2	6
7.	Financial Management in Health-care.	a3, b3, d2	2	2	2	6
8.	Mid-term exam	-	-	-	-	-
9.	The Strategic Management of Human Resources.	a3, d3	2	2	2	6
10.	Project Management	a3, d3, a4	2	2	2	6
11.	Health-care Waste Management	a3, b4, c3	2	2	2	6
12.	Infection Prevention and Control	a4,b4, c3	2	2	2	6
13.	Addressing Health Disparities: Cultural Proficiency.	a4,b4, c3	2	2	2	6
14.	Ethics and Law in Health care management	a4, b4, c4	2	2	2	6
15.	Final exam	-	3	-	-	6

6- Alignment between Course ILOs, Learning and Teaching Methods, &Assessment Methods

Course ILOs	Learning and Teaching Methods	Assessment Methods
A	Lecture	Written & Random exams
B	Independent study assignments	Written assignments
C	Discussion paper, interactive in-class assignments	Journal articles, project works
D	Group-learning activities	Problem based exercises, independent Project works, research reports.



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Course Specifications
Healthcare Management/ HCMG7601

7- Assessment Schedule:

Assessment	Week
Assignments	Every week
Discussion & interactive in-class assignments	Every week
Mid-term	Week 8
Final Exam	Week 16

8- Weighting of Assessments:

Assessment	
Attendance	10%
Assignments at home, discussion paper, interactive in-class assignments	10%
Mid-term	20%
Final Exam	60%
Total	100%

9- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course. The electronic platform is crucial in teaching and delivering all economics courses.

10- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

b. Essential Books(Text Books):

Kieran Walshe and Judith Smith, (2016), Healthcare Management, McGraw-Hill Education
Smith, J., Walshe, K(2006)). Healthcare Management: McGraw-Hill Education.

Walshe, K. (2011) Healthcare Management : McGraw-Hill Education.



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Business Development

1- General Information:

- Program on which the course is offered: MSc in Healthcare Management
- Department responsible for offering the course: Business Administration Department / Faculty of Economics
- Course title and code: Business Development Course/ HCMG7604
- Program Degree: MSc
- Year/Term at which this course is offered: 1st semester
- Pre-requisites for this course (if any): None
- Credit Hours/ week: 8 ECTS European Credit Transfer and Accreditation System
- Course Coordinator/ Contact Details: Dr Ibrahim Belhaj

2- Course Description

Business Development Course is one of the key Modules in postgraduate studies in Healthcare Management programme. This course relies on active learning strategies that put the student in the heart of the educational process to be the source of teaching and learning experience. In addition, this course has been designed to create a spirit of entrepreneurship in the medical fields among the students.

Topics that will be covered include the following: small business and entrepreneurship orientation, innovation and creativity, opportunity recognition, business planning and organization, market research techniques, operations management, marketing for small enterprises, funding of small businesses, monitoring and controlling in small businesses, HRM strategies for small businesses, critical success factors for entrepreneurial projects, ethics for small businesses and exit strategies for small businesses.

3- Course Objectives

By the end of this Course/Subject the student should be able to:

- Define business development and entrepreneurship concepts.
- Recognize business development and entrepreneurship skills.
- Compare and contrast businesses development and entrepreneurship applications in healthcare fields in developed, developing and transitional economies.
- Build analytical skills in solving real-world problems concerning entrepreneurial businesses.
- Implement business development and entrepreneurship concepts and skills in a hypothetical healthcare project.
- Identify the key techniques to review and evaluate a hypothetical healthcare project.

4- Course ILOs (Knowledge & Skills):

A - Knowledge and Understanding:

- By the end of this course, the student should be able to:



- a.1. Identify entrepreneurship concepts.
- a.2. Describe entrepreneurship orientation skills.
- a.3. Classify entrepreneurship practices in healthcare industries in different contexts.
- a.4. Categorize the key factors for success / failure of entrepreneurial businesses acting in healthcare industry.

B Practical and professional skills

- . By the end of this course the student should be able to do the following tasks in the following topics:
 - b.1. Review entrepreneurship concepts and theories applied in healthcare management.
 - b.2. Apply entrepreneurship concepts and skills in a hypothetical healthcare project.
 - b.3. Use key evaluation methods to review a hypothetical healthcare project in Libya.
 - b.4. Write academic / professional reports on entrepreneurial healthcare-related projects.

C Intellectual skills:

- . **By the end of this course the student should be able to**
 - c.1. Select healthcare-related business ideas.
 - c.2. Critically evaluate the extant literature on entrepreneurship development.
 - c.3. Analyze real-world problems related to healthcare entrepreneurial projects.
 - c.4. Solve real-world problems related to healthcare entrepreneurial projects.
 - c.5. Create a new venture related to healthcare industries..

D General transferrable skills

By the end of this course the student should be able to:

- d.1. Use body language properly.
- d.2. Implement team-work skills.
- d.3. Give excellent presentations.
- d.4. Defend arguments confidently.

5- Teaching strategies

Teaching strategies to be used to develop the required knowledge:

Students will attend lectures, be given readings, discuss cases, and have interactive in-class assignments.



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Business Development

Course Contents

Week No.	Topics	Related Course ILOs	ECTS				Self-study	Project
			Lectures	Disc	Pres.	Tests		
1.	Introduction to Entrepreneurship and business development	a1, b1	2	1	0	0	6	3
2.	Entrepreneurs' Characteristics and traits	a1, B1, D1, D2	1	1	1	0	6	3
3.	Entrepreneurship Stories in Healthcare Projects	a1, c2.c3,c4	1	1	1	0	6	3
4.	Healthcare Projects Planning & Organization	C1, b2	1	1	1	0	6	3
5.	Staffing Affairs in Healthcare Projects	a1,a2	1	1	1	0	6	3
6.	Leadership Skills needed for Healthcare Projects	a1,a2	1	1	1	0	6	3
7.	Financing & Budgeting of Healthcare Projects	A1, a1, b2	1	1	1	0	6	3
8.	Mid-term exam	-	-	-	-	0	6	3
9.	Marketing Techniques required for healthcare ventures	A1,a2,a3	1	1	1	0	6	3
10.	Building Competitive Advantages for Healthcare Projects	a4	1	1	1	0	6	3
11.	Internationalization of Healthcare ventures	A1,a2,a3	2	2	2	0	6	3
12.	Ethical Issues in Healthcare Projects	A1,a2,a3	2	2	2	0	6	3
13.	Project Evaluation	B3, c2, c3. C4	2	2	2	0	6	3
14.	Healthcare Project Business Plan Presentation	B2, B4, C5,	2	2	2	0	6	3
15.	Final exam		0	0	0	3	6	3

6- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods

Course ILOs	Learning and Teaching Methods	Assessment Methods
A1, A2, A3, A4	Lectures, discussions, self-study, Presentations & project	Presentations, project& exams



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Course Specifications
Business Development

Course ILOs	Learning and Teaching Methods	Assessment Methods
B1, C2	Lectures, discussions, self-study, & Presentations	Project & Presentations
B2	Project & Presentations	Project & Presentations
B3	Lectures & discussions	Presentations, tests & Project.
B4	Discussions, Presentations & project	Discussions, Presentations & project
C1	Lectures, discussions & self-study	Discussions & presentations
C3 & C4	Lectures, discussions, self-study & presentations	Discussions & presentations
C5	Lectures, discussions	Discussions & presentations
D1	Lectures, discussions & presentations	Discussions & presentations
D2	Lectures, discussions & presentations	Discussions & presentations
D3	Lectures, discussions & presentations	Discussions & presentations
D4	Lectures, discussions & presentations	Discussions & presentations

7- Assessment Schedule:

Assessment	Week
Assignments	Every week
Discussion & interactive in-class assignments	Every week
Mid-term	Week 8
Final Exam	Week 16

8- Weighting of Assessments:

Assessment	
Attendance	10%
Assignments at home, discussion paper, interactive in-class assignments and presentations	10%
Mid-term	20%
Final Exam	60%
Total	100%

9- Facilities required to implement the course:

For better educational outcomes, a spacious, well-appointed classroom equipped with lighting, ventilation, air conditioning, a visual screen, data show projector, and internet services are needed.

10- List of Text books and references

a. Course Notes:



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Business Administration Department

Course Specifications
Business Development

- PowerPoint lectures (PPT Files) will be uploaded on the Moodle on a weekly basis prior to the class.

- Hand-outs, Scenarios & cases will be given in class for discussion and reflections.

- Articles, cases and videos for analysis and discussion in the class.

b. Essential Books (Text Books):

- Due to the particularity of this course, it is recommended that the instructor should use different modern textbooks that discuss business development, entrepreneurship, small and medium-sized enterprises with the focus being placed on health-related businesses.

- Norman M. Scarborough, Jeffery R. Cornwall (2016), **Essentials of Entrepreneurship and Small Business Management**, 8th Edition, Pearson.

c. Recommended Books:

- Bruce R. Barringer & R. Duane Ireland, (2013), **Entrepreneurship: Successfully Launching New Ventures**, 4th Edition, Pearson Publishing.

- Alison Morrison, (1998), **Entrepreneurship: An International Perspective**, 1st Edition, Reed Educational and Professional Publishing Ltd.

- Mollie Painter Morland and Laura J. Spence, (2010), **Ethics in Small and Medium Sized Enterprises: A Global Commentary**, ISBEE, Springer.

- Charles Harvie & Boon-Chye Lee, (2005), **Sustaining Growth and Performance in East Asia**, Edward Elgar Publishing Ltd.

- Olejnik, Edith, (2014), **International Small and Medium-sized Enterprises**, Springer.

- Peter Drucker, (1985), **Innovation & Entrepreneurship**.

d. Periodicals, web sites:

- Journal of Entrepreneurship

- The International Journal of Entrepreneurship and Innovation

- Journal of Global Entrepreneurship Research

- Journal of Entrepreneurship in Emerging Economics

- Journal of Small Business and Enterprise Development

- Journal of Small Business Management



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Management Performance

1- General Information:

- Program on which the course is offered: MSc in Healthcare Management
- Department responsible for offering the course: Business Administration Department/ Faculty of Economics
- Course title and code: Management Performance/ HCMG7606
- Program Degree: MSc
- Year/Term at which this course is offered: 2^{ed} semester
- Pre-requisites for this course (if any): None
- Credit Hours/ week: 12 ECTS European Credit Transfer and Accreditation System
- Course Coordinator/ Contact Details: Dr Ibrahim Belhaj

2- Course Description

This course introduces the performance management concepts in healthcare organizations. It promotes an understanding of components of performance management and their application in health. It introduces students to performance management processes , as well as control function as core function for performance management: alternatives and their effects, financial results control systems and the performance measurement issues and their effects in health. Following this, it considers the concept of performance measurement. It also focuses on an organization and an Individuals performance management of health care and then explores the methods of performance measurement of health care, the course also aims to understand the importance of strategy maps in relation to healthcare, and creating performance measures including a criteria for evaluating job performance, It introduces students to understanding the factors affecting employee performance, as well as, current trends in performance management in healthcare challenges face healthcare performance management in Libya

3- Course Objectives

By the end of this Course the student should be able to:

- Introduces the performance management concepts and the components of performance management and its application in health organizations
- Explain the performance management processes
- Explores the methods of performance measurement of health care
- Understanding the importance of strategy maps in relation to healthcare, and creating understanding the performance measures including a criteria for evaluating job performance
- Explore the factors affecting employee performance, as well as, current trends in performance management in healthcare challenges face healthcare performance management in Libya

4- Course ILOs (Knowledge & Skills):

A - Knowledge and Understanding:

By the end of this course the student should be able to:

- a.1. Define the key the concepts of performance management and the components of performance management and their application in health institutions..



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Business Administration Department

Course Specifications
Management Performance

- a.2. Understand performance management processes and methods of measuring it in healthcare organizations.
- a.3. discuss strategy maps in relation to healthcare, including creating and understanding performance measures and criteria for evaluating job performance
- a.4. explore the challenges facing performance management in health care organizations, and understanding the recent trends in performance management.

B Practical and professional skills

. By the end of this course the student should be able to do the following tasks in the following topics:

- b.1. Use the appropriate method of measuring performance in the field of healthcare organizations.
- b.2. Identify appropriate standards and their applications in the performance measurement process.
- b.3. Measure the level of functional, institutional and financial performance.
- b.4. Compare the actual performance with the established standards, and deviation correction or support performance in health care organizations..

C Intellectual skills:

. **By the end of this course the student should be able to**

- c.1. Formulate performance management models in a appropriate way.
- c.2. Test the performance management method of thinking whether can be applied to a wide range of applications in health care or not.
- c.3. Critically evaluate the performance management in healthcare organizations
- c.4. Apply the performance management method to inform priority setting in the health system..

D General transferrable skills

By the end of this course the student should be able to:

- d.1. Abstract and simplify essential features in order to frame a problem.
- d.2. Use a conceptual framework that is effective for problem solving and decision making.
- d.3. Transfer skills that are acquired from this course to the work area of health care.

5- Teaching strategies

Teaching strategies to be used to develop the required knowledge:



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Business Administration Department

Course Specifications
Management Performance

Students will attend lectures, be given readings, discuss cases, and have interactive in-class assignments.

Course Contents

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures	Tutorial	Discussion	Self-study
Concepts and Microeconomic Tools for Health Economics						
1.	The introduction to Performance Management	a1, b1, c1	3	2	1	6
2.	Components of Performance Management	a1, c2	2	2	2	6
3.	Performance Management Processes	a1, b1, c2	2	2	2	6
4.	Control function as Core function for Performance Management: alternatives and their effects	a1, b1, b2, c2	2	2	2	6
5.	Financial results control systems	a2, b3, c3	2	2	2	6
6.	Performance measurement issues and their effects	a3, b3, d2	2	2	2	6
7.	The concept of Performance measurement	a3, b3, d2	2	2	2	6
8.	Mid-term exam	-	-	-	-	-
9.	Organization and Individuals Performance Management.	a3, d3	2	2	2	6
10.	Performance measurement methods	a3, d3, a4	2	2	2	6
11.	Strategy maps	a3, b4, c3	2	2	2	6
12.	Creating performance measures	a4, b4, c3	2	2	2	6
13.	Factors affecting employee performance	a4, b4, c3	2	2	2	6



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Business Administration Department

Course Specifications
Management Performance

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures	Tutorial	Discussion	Self-study
14.	Current trends in performance management in Healthcare	a4, b4, c4	2	2	2	6
15.	Challenges face Healthcare Performance Management in Libya	a4, b4, c4	2	2	2	6
16.	Final exam	-	3	-	-	6

6- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods

Course ILOs	Learning and Teaching Methods	Assessment Methods
A	Lecture	Written & Random exams
B	Independent study assignments	Written assignments
C	Discussion paper, interactive in-class assignments	Journal articles, project works
D	Group-learning activities	Problem based exercises, independent Project works, research reports.

7- Assessment Schedule:

Assessment	Week
Assignments	Every week
Discussion & interactive in-class assignments	Every week
Mid-term	Week 8
Final Exam	Week 16

8- Weighting of Assessments:

Assessment	Weighting
Attendance	10%
Assignments at home, discussion paper, interactive in-class assignments	10%
Mid-term	20%



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University of Zawia/ Faculty of Economics
Business Administration Department

Course Specifications
Management Performance

Final Exam	60%
Total	100%

9- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course. The electronic platform is crucial in teaching and delivering all health management courses.

10- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

b. Essential Books(Text Books):

Aguinis, Herman, 2013 The textbook Performance Management (3rd ed)

Inc. ISBN-13: 978-0-13-255638.

Sahu R.K. (2007) Performance Management System, Published by Excel Books, ISBN 10: 817446512X ISBN 13: 9788174465122

Again is, H. (2018), Performance Management, Fourth Edition, USA: Chicago Business Press

Bergeron, B. (2017), Performance Management in Healthcare: from key Performance indicators to balanced scorecard, 2nd Edition, USA: Productivity Press

Armstrong, Micheal & Angela Baron. (2005). Performance Management: Performance Management, in action. London: CIPD

Collings,D.G: Wood, GT.& Szamosi, L.T. (2018). Human Resource Management: A Critical Approach 3rd ed

Boxall,P.& Purcell,J.(2016).Strategy and Human Resource Management 4th ed.U.K: Palgrave Macmillan.



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Business Administration Department**

**Course Specifications
Management Performance**

Merchant, A. K. & Van der Stede, W. A., Management Control Systems: Performance Measurement, Evaluation and Incentives, Second Edition, Pearson Education Limited, 2007, (Chapters 1 – 12)
[ISBN: 978-0-273-70801-8 [Book # 1

Niven, P. R., Balanced Scorecard Step by Step: Maximizing Performance and Maintaining Results,
[John Wiley and Sons, 2002, (Chapters 1 – 6) ISBN: 978-0-471-07872-2 [Book # 2

Bititci, U. S., Turner, T., & Begemann, C., Dynamics of Performance Measurement Systems,
International Journal of Operations & Production Management, 20 (6), 2000, 692– 704.
<http://kula.student.usp.ac.fj/class-shares/AF307/Slides/Performance%20management%20systems.pdf>



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Form Name:	<i>Course Specifications</i>	Revision No.
Form No.	Course specification	Telemedicine - 2023

1- General Information:

Program on which the course is offered	MSc in Healthcare Management
Department responsible for offering the course	Business Administration Department/ Faculty of Economics
Course title and code	Telemedicine - HCMG7605
Program Degree	MSc
Year/Term at which this course is offered	2 nd semester
Pre-requisites for this course (if any):	students should have taken the following courses: <ul style="list-style-type: none"> • Introduction to Health Economics and Healthcare Management (SAHA Course) • Health Economics (SAHA Course) • Healthcare Management (SAHA Course)
Credit Hours/ week	1 credits/ week
Course Coordinator/ Contact Details	Dr. HODA TAWEL h.tawel@zu.edu.ly
Coarse language	English

2- Course Description

According to the World Health Organization; “Telehealth involves the use of telecommunications and virtual technology to deliver health care outside of traditional health-care facilities. Telehealth, which requires access only to telecommunications, is the most basic element of “eHealth,” which uses a wider range of information and communication technologies (ICTs).



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Telehealth examples include virtual home health care, where patients such as the chronically ill or the elderly may receive guidance in certain procedures while remaining at home. Telehealth has also made it easier for health care workers in remote field settings to obtain guidance from professionals elsewhere in diagnosis, care and referral of patients. Training can sometimes also be delivered via telehealth schemes or with related technologies such as eHealth, which make use of small computers and the internet “.

This course comprises of different teaching methods to describes and analyses the role of information and communications technologies in enabling remote patient care, health professional collaboration at a distance, and in supporting patient-self management, making future advances in a number of scientific disciplines while improving the success of telemedicine and the healthcare sector in addition to some directions about telemedicine for medical research.

This is considered with reference to telemedicine applications like technological, policies, sociological, and global health challenges are core of them.

3- Course Objectives.

- i. Execute formal training in areas of technology applied to healthcare including computer sciences and telecommunication technologies to facilitate the deployment of telemedicine.
- ii. Understand the basic requirements for the delivery of telemedicine services.
- iii. Differentiate and apply telemedicine technologies and practices in a variety of health care environments.
- iv. Be aware of basic knowledge of the Telemedicine Standards.
- v. The course will also be committed as a public awareness tool to promote and advocate the use of advanced communication technology to expand health care outreach and overcome geographic barriers to deliver patient care and education.



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4- COURSE OUTCOMES

By the end of this Course, the student should be:

- 1) Able to explore the evolution of telehealth, and its contemporary challenges and opportunities
- 2) aware of the main applications of telemedicine in healthcare and its monitoring, and how Telemedicine has been evolved over time.
- 3) Appreciate the key policy drivers for telehealth in the 21st century.
- 4) Gaining an insight into the clinical, operational, financial, and legal factors that govern telehealth implementation
- 5) Able to explore how telehealth can simultaneously create and remove barriers to healthcare accessibility and how these issues can be overcome
- 6) Able to consider the organizational needs for implementation of telemedicine in healthcare sector, as well as some directions about telemedicine for medical research

5- Course ILOs (Knowledge & Skills):

A. Knowledge & understand	<p>A1. Introduce the students to applications of telemedicine through advances in remote healthcare and monitoring using telemedicine applications.</p>
	<p>A2. The students are able to present robust solutions in the delivery of medical information from patient's to-doctors, with the purpose of enhancing accurate diagnosis without the need for face-to-face contact</p>
	<p>A3. Appreciate the key policy drivers for telehealth in the 21st century</p>



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	<p>A4. Gain insight into the clinical, operational, financial, and legal factors that govern telehealth implementation</p> <p>A5. Students able to Describe and analyze the role of information and communications technologies at a distance, and in supporting patient-self management</p> <p>A6. To provide the students with comprehensive knowledge about implementation of telemedicine in the healthcare sector in addition to some directions about telemedicine for medical research</p>
B. Intellectual skills:	<p>B1. Explain: Telemedicine Systems, Connectivity systems</p> <p>B2. Analyze the Clinical Data and Writing Medical Report, analyses the role of information</p> <p>B3. Discuss the real cases in live and in remote</p> <p>B4. Formulate telemedicine development strategies in Libya, and define the both obstacles and appropriate solutions for establishing of the program</p> <p>B5. Relate :</p> <ul style="list-style-type: none"> ✓ Telemedicine Use and Health-Related Concerns of Patients with Chronic Condition. ✓ Support long-distance clinical health care, patient and professional health-related education, public health and health administration <p>B6. The student should suggest programs, electronic platforms, or methods that can be used in telehealth programs.</p>
C. Practical & professional	<p>C1. Apply the appropriate use of telehealth in the context of its benefits.</p>



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skills	<p>C2. Practice</p> <ul style="list-style-type: none"> Be aware of the main applications of telemedicine and telehealth and how these have evolved over time Adapt practice to the appropriate use of telehealth and to teach it.
	<p>C3. suggest appropriate electronic programs and platforms to implement and link electronic health programs within hospitals and health care homes.</p>
	<p>C4. Prepare the complete documentation for telehealth encounters that meets requirements based on modality, payer and practice</p>
	<p>C5. Conduct an appropriate physical exam during a telehealth encounter, including guiding the patient or tele-presenter and incorporating clinician-directed exam data into the care plan.</p>
	<p>C6. Students gain the ability to understand and be aware of the policies, laws, problems and issues facing the eHealth program.</p>
D. Generic and transferable skills	<ol style="list-style-type: none"> 1. Ability to work effectively in groups and communicates effectively to share ideas and evidence 2. Ability to work across different disciplines and communicate ideas and concepts across disciplinary barriers 3. Ability to understand critical inquiry and analysis 4. Skills to undertake independent, conceptual and creative thinking and reflection 5. Use a conceptual framework that is effective for problem solving and decision making 6. A diverse set of transferable and generic skills 7. An ability to use IT programs for national and international exchange of knowledge, ideas and learning, and for receiving and establishing records and reporting and participating in team communication 8. Transfer skills that are acquired from this course to the work area of health care



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6- Teaching strategies

Teaching strategies to be used to develop the required knowledge:

Students will attend lectures, be given readings, discuss cases, and have interactive in-class assignments

7- Course contents:

Week No.	Topics	Related Course ILOs	ECTS			
			Lectures (hrs)	Tutorial (hrs)	Discussion (hrs)	Self-study (hrs)
1.	Introduction to telehealth and telemedicine (part 1) <ul style="list-style-type: none"> - Terminology - Type of telehealth - Why telehealth implementation is important? 	A1,B1,C1	2	1	1	6
2.	Introduction to telehealth and telemedicine (part 2) <ul style="list-style-type: none"> - Examples for telemedicine applications in different medical specialties 	A1,B1.C1	2	1	1	6
3.	The role of telehealth in an evolving world	A2,B2,C2	2	1	1	6
4.	Case discussion (1)	B3,C2	-	-	2	-
5.	Telehealth technology:	A3,A4,B4,	4	1	1	6



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Week No.	Topics	Related Course ILOs	ECTS			
			Lectures (hrs)	Tutorial (hrs)	Discussion (hrs)	Self-study (hrs)
	Requirements and considerations. -explore considerations and approaches for incorporating telemedicine specific technology into healthcare practice	B6,C4				
6.	Best practices of telemedicine and its challenges	A5,B5,C3	2	1	1	6
7.	Telehealth risks and barriers – The ability to identify and overcome the risks and barriers of telehealth solutions – Exploring Telehealth opportunities.	A4,B4,C4	4	1	1	6
8.	Case discussion (2)	B3,C4,C6	-	-	2	-
9.	Mid-term Exam	-	-	-	-	-
10.	Organizational considerations: Workforce management and training – Introduction to telehealth models that help develop the rural workforce, especially through training – The approach identifies four different stakeholder groups: patients/careers/service users, health professionals/clinical	A4,A6,B4, B6,C5	4	1	1	6



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Week No.	Topics	Related Course ILOs	ECTS			
			Lectures (hrs)	Tutorial (hrs)	Discussion (hrs)	Self-study (hrs)
11.	Billing, reimbursement, and legal considerations (Part 1) – Understand the often complex legal, regulatory, accountability, and reimbursement issues surrounding Telehealth	A3,A4,B4, C6	2	1	1	6
12.	Billing, reimbursement, and legal considerations (Part 2) – Recognize the value of understanding users and contexts for effective telehealth design, and how to achieve this	A3,A4,B4, C6	2	1	1	6
13.	Practical strategies and approaches to implementing telehealth in your organization. - Describe and explain a range of use cases, such as remote monitoring of non-communicable diseases, home-based and mobile self-management tools, hospital-at-home, and remote diagnostics	A2,A5,B5, B6,C5	4	1	1	6
14.	Case discussion (3)	A5,C3	-	-	2	-
15.	Final exams	-	-	-	-	-

8- Alignment between Course ILOs, Learning and Teaching Methods, & Assessment Methods



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Course ILOs	Learning and Teaching Methods	Assessment Methods
A	Lecture	Written & Random exams
B	Independent study assignments	Written assignments
C	Discussion paper, interactive in-class assignments	Journal articles, project works
D	Group-learning activities	Case studies, Problem based exercises, independent Project works, research reports.

9- Assessment Schedule:

Assessment	Week
Assignments	Every week
Discussion & interactive in-class assignments	Every week
Mid-term	Week 9
Final Exam	Week 15

10- Weighting of Assessments:

Assessment	
Attendance	10%
Assignments at home, discussion paper, interactive in-class assignments, case reports	20%
Mid-term	20%
Final Exam	50%
Total	100%

11- Facilities required to implement the course:

Classroom, smart board, data show, copy of course book, the university website are critical tools to deliver the course, an electronic platform for the course, Cooperate with professionals who are experts in the field to fulfil the educational requirements, Cooperation with the Ministry of Health and teaching hospitals to provide the practical training.



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12- List of Text books and references

a. Course Notes:

- PowerPoint lectures will be uploaded weekly on the website.
- Hand-outs & cases will be given in class.

b. Essential Books(Text Books):

1. Advances in Telemedicine for Health Monitoring. Technology, design and applications. Tarik A Rashid
2. Telemedicine, Telehealth and Telepresence. Principles, Strategies, Applications, and New Directions. Rifat Latifi
3. Telehealth Competencies Across the Learning Continuum, 2021
4. Telemedicine. Opportunities and developments in Members States. Global Observationfor eHealthseries-Volume 2, 2010

c. Other resources

- I. Organización Mundial de la Salud (2022) *Directriz de la OMS: recomendaciones sobre intervenciones digitales para fortalecer los sistemas de salud*. Ginebra: Organización Mundial de la Salud. Available at: <https://apps.who.int/iris/handle/10665/354399> (Accessed: 16 July 2022).
- II. Free Telemedicine Curriculum. Society of teacher of family medicine. 2022, available at: <file:///D:/Telemedicine%20program/Telemedicine%20Curriculum.html>.
- III. *Telemedicine 101 lecture slides.pdf* (no date) *Google Docs*. Available at: https://drive.google.com/file/u/1/d/1EtAV1YxjlvT7rYonc_IV7z7pxzeH8eJK/view?usp=embed_facebook (Accessed: 16 July 2022).
- IV. Fairbrother P, Ure J, Hanley J, et al. Telemonitoring for chronic heart failure: the views of patients and healthcare professionals - a qualitative study. *Journal of clinical nursing* Published Online First: 4 March 2013.
- V. Reeder, Demeris et al (2013) Framing the evidence for health smart homes and home-based consumer health technologies as a public health intervention for independent aging: A systematic review. *IJMI* 82, 565-579
<http://dx.doi.org/10.1016/j.ijmedinf.2013.03.007>



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- VI. Telemonitoring for chronic heart failure: the views of patients and healthcare professionals - a qualitative study. Journal of clinical nursing Published Online First: 4 March 2013. doi:10.1111/jocn.12137
 - VII. Wootton & Bonnardot (2010) In what circumstances is telemedicine appropriate in the developing world? JRSN Short Rep. 2010 October; 1(5): 37. 10.1258/shorts.2010.010045.
 - VIII. McLean, Pagliari et al (2013) The Impact of Telehealthcare on the Quality and Safety of Care: A Systematic Overview. PLoS One. 2013; 8(8): e71238. 10.1371/journal.pone.0071238
 - IX. Greenhalgh T, Procter R, Wherton J, et al. The organizing vision for telehealth and telecare: discourse analysis. BMJopen 2012;2. doi:10.1136/bmjopen-2012-001574