Master (MSc) Program & Courses' Specifications of Occupational Medicine

نموذج رقم (١٣)

Program Specifications for MSc of Occupational Medicine

(2023)

University: MINIA

Faculty(s): MEDICINE

Department: public health & preventive and occupational Medicine

A. Basic Information:

1. **Program title:** Master Degree in Occupational Medicine, code:IN200
2. **Final award:** Master in Occupational Medicine

Program type: Single ☑ Double ☐ Multiple ☐

3. **Responsible department:** public health & preventive and occupational Medicine
4. **Final award:** Master in occupational medicine
5. **Departments involved in the program:** public health & preventive and occupational Medicine and chest diseases, dermatological diseases, forensic medicine and psychological diseases department
6. **Program duration: 2 years**
7. **Number of program courses:** seven
8. **Coordinator: Dr Shimaa Mahmoud, Dr Christina Monir**
9. **External evaluators: Dr Hussein Hassan**
10. **Program management team:** Assistant Professor: Shaimma Anwar, Assistant lecturers: Shaza Fadel, Hager Adel, Aya Mohammed, Demonstrator: Myada Noor

B- Professional Information:

1- Program aims to:

1.1. Prepare a physician with the scientific and engineering background of health, safety and environmental control.

2.1. Examining risk assessment and the critical concepts of risk management and job hazard analysis. Job hazard analysis is a technique used to identify hazards associated with each step of carrying out a job and recommend suitable controls when necessary to ensure health and safety.

3.1. Training candidates to investigate accidents and identify direct and indirect accident sources. It examines the process of gathering facts and learning from accidents in order to develop future safety recommendations and measures.

4.1. To use precisely the research methodology in researches.

5.1. Inform public policy, disseminate health information, and increase awareness of workers of different fields to the possible hazards the may be exposed to.

2- Intended learning outcomes (ILOs)

2.1. (a) Knowledge and understanding

By the end of the study of master program in Occupational Medicine the candidate should be able to:

A1. Identify Basics of industrial chemistry: Steps of various industries, possible risks in each step and its ways of prevention.

A2. Recognize Fundamentals of environmental sciences: Health hazards of air pollution, water pollution, and ways for achievement of food sanitation.

A3. Memorize basics of Clinical Toxicology: basics for toxicology and how to deal with simple cases, various toxins that workers may be at hazard to contract and how to prevent and treat these cases.

A4. Define Demography and vital statistics basics : Definition of demography, rate & ratio, cesnsus, population pyramid, vital indices, sources of data.

A5. Identify Medical statistics: collection of data, steps of sample selection and sample size, presentation of data, descriptive statistics and measures of variability.

A6. Identify Research design basics: Types of study design, screening tests and its evaluation, Measurement of disease risk factors and interpretation of the attributable risk, relative risk, and odds ratio.

A7. Recognize Psychology basics: 18 lecture hours offered by Neuropsychiatry department for fulfilment of multiple psychological aspects that help dealing with workers and giving the basics for questionnaires development and assessment.

A8. Memorize Occupational medicine fundamentals: including industrial and non-industrial hazards, ergonomics, chest, blood, urinary system and other organ diseases related to occupational hazards.

A9. Define Chemical industry fundamentals: hazards of metals, gases, solvents, insecticides and various toxins related to occupational exposures.

A10. Describe Pulmonary diseases basics: 12 practical hours offered by the Chest department to diagnose occupational lung diseases.

A11. Identify basics of Dermatological diseases: 4 practical hours offered by the Chest department to diagnose occupational skin diseases.

2.2. (b)Intellectual skills

By the end of master program in Occupational Medicine the candidate should be able to:

B1. Correlates the facts of supportive sciences related to biostatistics and occupational epidemiology with proper reasoning

B2. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to Industries Medicine &Occupational Health

B3. Formulate management plans and alternative decisions in different situations in the field of the occupational &environmental medicine

2.3. Skills:

2.3.1. (c) Professional and practical skills

By the end of the study of master program in Occupational Medicine the candidate should be able to:

C1. Conduct epidemiological occupational studies and surveys &perform data management including data entry and analysis.

C2. Carry out patient management plans for common clinical toxicology conditions related to occupational diseases and occupational medicine.

C3. Present a case & writing a report in chest diseases that are contributed to occupationally or environmentally related conditions.

2.3.2. (d) General and transferable skills

By the end of the study of master program in Occupational Medicine the candidate should be able to:

D1. Evaluate indicators of occupational health and diseases.

D2. Identify prevalent health problems in our community workplaces, using various epidemiological strategies.

D3. Collect and verify data from different sources.

D4. Organize and manage data, including graphic and tabular presentations

D5. Analyze and interpret data

D6. Maintain ethical sound relationship with occupational workers and professionals during data management.

D7. Apply appropriate health promotion, disease prevention, and control measures in various occupations against multiple physical and chemical hazards.

3- Program Academic Reference Standards

- Faculty of medicine, Minia University adopted the general national academic reference standards provided by the national authority for quality assurance and accreditation of education (NAQAAE) for all postgraduate programs. **(Faculty Council Decree No.6854, in its cession No.177 Dated: 18\5\2009)**. **{Annex 1}.**
- Faculty of medicine, Minia University has developed the academic standards (ARS) for Master(MSc) and approved in faculty **Council decree No.7528, in its cession No.191, dated: 15\3\2010)** and these standards (faculty ARS) have been updated and approved in faculty **Council No.52/2 dated: 20/ 2 / 2023 {Annex 2}**

-Then **Public health and preventive medicine department** has adopted these standards and developed the intended learning outcomes (ILOS) for **MSCs program in Master** degree in occupational medicine and the date of program specifications 1st approval was by department council: 13-5-2013, last update of program specification approval by department council: 6-3-2023

- **4. Program External References**

-External reference (Benchmark): Programme of master degree of occupational medicine

1. Department Books and notes: Course notes, and handouts
2. Essential Books (Text Books)
3. Periodicals, Web Sites, ... etc

5. Program Structure and Contents:

5. A. Program duration: (2years).

5. B. Program structure:

- No of hours: 264 hours
  - Lecture: 8 hrs/w
  - Practical: 3 hrs /w
  - Total hours/week: 12 hrs/w

Basic sciences (compulsory) courses: No;5 Percentage %: 71.4%

- Specific courses related to the specialty: No:2 Percentage :28.5%
- Training programs and workshops, field visits, seminars & other scientific activities: Distributed along the whole program.

5. C. Levels of program in credit hours' system: Not applicable

5. D. Program courses:

Number of courses: 7 including:

1-Basics of industrial chemistry

2-fundementals of environmental sciences

3-clinical toxicology

4-demography & vital statistics

5-chemical industry

6- Pulmonary diseases

7-Dermatological diseases

<u>N.B.</u> {Courses' specifications are present in Annex 4} & {Correlations of Program ILOs with courses are present in Annex 5}.

Total No. of Hours	No. of hours /week			Program ILOs Covered
	Lect.	Practical	tutorial	
1st part				
1- Basics of industrial medicine and clinical toxicology	2	1		A1, A2,A3, B2,B3 C1,C2,C3 D1, D2, D3, D7
2- Sociology, behavioral sciences and psychological science related to industry	2	2		A7, B2, C2, D7
3- Medical statistics	2			A4,A5,A6, B1, C1, D1,D3,D5

4- Medical ethics	2			A4, A6, C2, D6
Total hours/ week	8	3		
Training programs and workshops, seminars	Continuous			
2nd part				
1- Occupational medicine: disability percentage, analysis, diagnosis of occupational diseases, Industrial health: rehabilitation, working regulations and industrial safety	2	1		A8, A10, A11, B2, B3, C2, D6,D7
2- Occupational lung diseases,		2		A8, A10, A11, B2, B3, C2, C3

3- Occupational skin diseases		2		A8, A10, A11, B2, B3, C2, C3
Total hours/ week	2	3		
Training programs and workshops, seminars, field visits	Continuous			

6- Program admission requirements:

A. Candidates should have either:

1. MBBCH degree from any Egyptian faculty of medicine or

2. Equivalent degree from medical schools abroad approved by the ministry of higher education

B. Candidate should complete the house office training year.

C. Follows postgraduate regulatory rules of Minia faculty of medicine.

2. Specific requirements:

A. Candidates graduated from Egyptian universities should "Good Rank" in their final year/cumulative years examination and grade "Good Rank "in pathology course too.

B. Candidate should know how to speak and write English well.

C. Candidate should have computer skills.

7- Regulations for progression and program completion:

Duration of program is (2years), starting from registration till the second part exam; divided to:

First Part: (≥6 months):

- All courses as specified in the internal bylaw
- At least six months after registration should pass before the student can ask for examination in the 1st part
- Two sets of exams: 1st in April — 2nd in October.
- For the student to pass the first part exam, a score of at least 60% in each curriculum is needed (with at least 40% in the written exam).
- Those who fail in one curriculum need to re-exam it only.

Thesis/essay:

- Start from registration and should be completed, and accepted at least after passing 6 months from protocol registration till at least one month before allowing to enter 2nd part final exam.
- Accepting the thesis occurs after publishing one thesis – based paper in local or international journal and this is enough to pass this part.

Second Part: (≥18 months):

- Program related specialized Courses.
- Actual work for 18 months as a demonstrator /trainee in the department

• The student should pass the 1st part before asking for examination in the 2nd part.

• Two sets of exams: 1st in April— 2nd in October

• For the student to pass the second part exam, a score of at least 60% in each curriculum is needed (with at least 40% in the written exam).

• Fulfillment of the requirements in each course as described in the template and registered in the log book is a prerequisite for candidates to be assessed and undertake part 1 and part 2 examinations; as following:

a. Training courses along the duration of the program
b. Seminars
c. Thesis discussion
d. Workshops
e. Conference attendance
f. Journal club
g. Other scientific activities requested by the department

8- Teaching and learning methods:

1- 2 hours of lectures per week throughout the course.

2-2hours of practical training and demonstration weekly throughout the course.

3-Self training activities such as use of internet and multimedia.

4- Regular weekly seminars, presentations and assignments.

5-Training courses & workshops.

6-Thesis discussion.

7-Conference attendance

Teaching and learning methods	The assessed ILOs
• **Lectures**	A1,A2, A3,A4,A6, A7,A8,A9,A10,A11 B1,B2,B3
• **Practical sessions**	C1,C2,C3
• **Self-training activities** • **seminars, presentations and assignments.** • **Training courses & workshops.** • **Thesis discussion.** • **Conference attendance**	D1,D2,D3,D4,D5,D6,D7

9-Methods of student assessment:

Method of assessment	The assessed ILOs
1. Research (Thesis)	A1,A2,A3,A4,A5,A6,A7,A8,A9.A10,A11 B1,B2,B3 C1,C2,C3 D1,D2,D3,D4,D5,D6,D7
2. Written Exams: ● Short essay ● MCQs ● Complete ● True or false and correct the wrong ● Commentary ● Problem solving	A1,A2,A3,A4,A5,A6,A7,A8,A9.A10,A11 B1,B2,B3
3. Practical/Clinical Exams	C1,C2,C3
4. Oral Exams	A1,A2,A3,A4,A5,A6,A7,A8,A9.A10,A11 B1,B2,B3

5. Seminars, presentations, assignments and Logbook assessment	A1,A2,A3,A4,A5,A6,A7,A8,A9.A10,A11 B1,B2,B3 C1,C2,C3 D1,D2,D3,D4,D5,D6,D7

Weighing of assessment:

It is mandatory to pass all the papers of written exams separately

Course	**written**	**oral**	**Practical**	**Total**
Basics of industrial medicine and clinical toxicology	**60**	**45**	**45**	**150**
Sociology, behavioral sciences and psychological science related to industry Medical statistics	**60**	**45**	**45**	**150**
Occupational medicine: disability percentage, analysis, diagnosis of	**280**	**210**	**210**	**700**

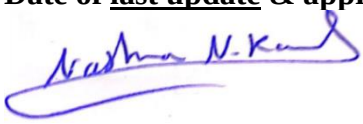
occupational diseases, Industrial health: rehabilitation, working regulations and industrial safety				

9. Methods of Program Evaluation:

Evaluator (By whom)	Method/tool	Sample
1. **Senior students (Students of final years)**	Questionnaires	https://docs.google.com/forms/d/e/1FAIpQLSfsT7ZEB5-o1hQIsBvrklEw7ug4gI0r04TFAjlx3icAqHEhjg/viewform?usp=sf_link https://docs.google.com/forms/d/e/1FAIpQLSdBv464Iegx0eS0UqiRxrOkrj8-5QEatKuXVSQh4bRPrzx4nA/viewform?usp=sf_link
2. **Graduates (Alumni)**	Questionnaires	https://docs.google.com/forms/d/e/1FAIpQLSe9BGEgUqLgkedqvQpCnY8xGMmw1JM9Qhh2g_LEE3gb3mlfoQ/viewform?usp=sf_link
3. **Stakeholders**	Meeting Questionnaires	https://docs.google.com/forms/d/e/1FAIpQLSf9nIiW9VRiLXBhKfbJ8LUPeWF27gbEh2ExrohmosY5-gylQA/viewform?usp=sf_link
4. **External & Internal evaluators and**	Reports	Attached to the file

external examiners		
5. Quality Assurance Unit	Reports Questionnaires Site visits	Attached to the file Attached to the file Attached to the file

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir
Head of Department: Prof Dr Nashwa Nabil
Date of last update & approval by department council: 6 /3 /2023



Annex (1): Comparison between General Academic Reference Standards(GARS) and Faculty Academic Reference Standards(ARS)

مصفوفه توافق المعايير القوميية القياسيه العامه لبرامج الماجستير مع المعايير الأكاديميه المعتمده من كليه الماجستير في طب الصناعات جامعة المنيا لدرجه /الطب

NAQAAE برامج الماجستير	**Faculty** **Master (MSC) Program**
١. مواصفات الخريج: خريج برنامج الماجستير في أي تخصص يجب أن يكون قادرا على:	**1. Graduate Attributes:** Graduate of master (MSC) program should be able to:
1.1. إجادة تطبيق أساسيات ومنهجيات البحث العلمي واستخدام أدواته المختلفة.	1.1. understanding and applying of basics of research method and research tools
2.1. تطبيق المنهج التحليلي واستخدامه في مجال التخصص	2.1. Critically analyze, evaluate, and effectively communicate findings, theories, and methods
3.1. تطبيق المعارف المتخصصة و دمجها مع المعارف ذات العلاقة في ممارسته المهنية.	3.1. Apply integrated professional and general knowledge in his scholarly field and at the interface between different fields.
4.1. إظهار وعيا بالمشاكل الجارية والرؤى الحديثة في مجال التخصص.	4.1. Demonstrate awareness of community health needs related to the field of specialization by understanding the beneficial interaction with the society to improve quality of life
5.1. تحديد المشكلات المهنية وإيجاد حلولا لها.	5.1. Demonstrating proficiency, required to solve current complex problems in his scholarly field.
6.1. إتقان نطاق مناسب من المهارات المهنية المتخصصة واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية.	6.1. Master a variety of technical skills in his scholarly field and expert relevant equipment, technology, and software.
7.1. لتواصل بفاعلية والقدرة على قيادة فرق	7.1. Gain leadership skills and be able to communicate efficiently with colleagues and

العمل.	get the best results.
8.1. اتخاذ القرار في سياقات مهنية مختلفة.	8.1. Take professional situational decisions and logically support them.
9.1. توظيف الموارد المتاحة بما يحقق أعلي استفادة و الحفاظ عليها	9.1.Optimal use of available resources to achieve research or best patient health care and ensure its maintenance.
10.1. إظهار الوعي بدوره في تنمية المجتمع والحفاظ على البيئة في ضوء المتغيرات.	10.1. Demonstrate awareness of its role in community health development and
11.1. التصرف بما يعكس الالتزام بالنزاهة والمصداقية والالتزام بقواعد المهنة.	11.1. Exhibit ethical behavior that reflect commitment to the code of practice
12.1. تنمية ذاته أكاديميا ومهنيا و قادرا علي التعلم المستمر.	12.1. demonstrate the ability to sustain a lifelong personal and professional growth.
٢.المعايير القياسية العامة: **NAQAAE General Academic Reference Standards "GARS" for Master Programs**	**2. Faculty Academic Reference Standards (ARS) for Master Program**
٢,١. المعرفة والفهم: بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا علي الفهم والدراية بكل من:	**2.1. Knowledge & Understanding:** Upon completion of **the Master Program** the graduate should have sufficient knowledge and understanding of:
٢,١,١. النظريات والأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة	2.1.1. Understand the scientific basis and modern knowledge in the field of specialization and related medical sciences
٢,١,٢. التأثير المتبادل بين الممارسة المهنية وانعكاسها علي البيئة	2.1.2. The mutual influence of professional practice on work environment, working conditions, and job characteristics.
٢,١,٣. التطورات العلمية في مجال التخصص	2.1.3. Scientific developments in the field of specialization
٢,١,٤. المبادئ الأخلاقية والقانونية للممارسة المهنية في مجال التخصص	2.1.4. Recognize basics of medico-legal aspects of practice, malpractice and avoid common medical errors

٢,١,٥. مبادئ وأساسيات الجودة في الممارسة المهنية في مجال التخصص	2.1.5. Quality principles in the scholarly field
٢,١,٦. أساسيات وأخلاقيات البحث العلمي	2.1.6. Basis of research methodology and medical ethics.
2.2.المهارات الذهنية: بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا على:	**2.2. Intellectual Skills:** Upon completion of the master program, the graduate should be able to:
2.2.1. تحليل وتقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل	2.2.1. Use judgment skills for analytical and critical problem solving
2.2.2. حل المشاكل المتخصصة مع عدم توافر بعض المعطيات	2.2.2. Capable of integrating knowledge and dealing with complex subjects to solve problems
2.2.3 الربط بين المعارف المختلفة لحل المشاكل المهنية	2.2.3. Be capable of integrating research results and/or results of history, physical and laboratory test findings to solve a research or a clinical problem.
2.2.4. إجراء دراسة بحثية و/أو كتابة دراسة علمية منهجية حول مشكلة بحثية	2.2.4. Effectively apply research methods and carrying out a medical research thesis
2.2.5. تقييم المخاطر في الممارسات المهنية في مجال التخصص	2.2.5. Be aware of risk management principles, and patient safety.
2.2.6. التخطيط لتطوير الأداء في مجال التخصص	2.2.6. Establish goals, commitments, and strategies for improved professional performance in the field of specialty
2.2.7. اتخاذ القرارات المهنية في سياقات مهنية متنوعة.	2.2.7. Take professional situational decisions and logically support them.
3.2.المهارات المهنية: بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا على:	**3.2. Professional Skills:** Upon completion of the master program , the graduate must be able to:
3.2.1. إتقان المهارات المهنية الأساسية والحديثة في مجال التخصص.	3.2.1. Master the basic and some advanced professional skills in his scholarly field.
٣,٢,٢كتابة و تقييم التقارير المهني.	3.2.2. Write and evaluate medical or scientific

	reports
٢,٣,٣تقييم الطرق والأدوات القائمة في مجال التخصص	3.2.3. Assess and evaluate technical tools during research
4.2.المهارات العامة والمنتقلة **:** بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا على:	4.2. **General and transferable skills** Upon completion of the master program, the graduate should be able to:
٤,٢,١. التواصل الفعال بأنواعه المختلفة	4.2.1. Communicate effectively using a written medical record, electronic medical record, or other digital technology.
٤,٢,٢. استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية	4.2.2. Use of information technology (computer to create, process, store, secure and exchange electronic data) in the field of medical practice.
4.2.3. لتقييم الذاتي وتحديد احتياجاته التعلمية الشخصية	4.2.3. Assess himself and identify personal learning needs
4.2.4. استخدام المصادر المختلفة للحصول على المعلومات والمعارف	4.2.4. Use various sources for information (physical and digital sources).
4.3.5. وضع قواعد ومؤشرات تقييم أداء الآخرين	4.2.5. Setting indicators for evaluating the performance of others
4.2.6. العمل في فريق، وقيادة فرق في سياقات مهنية مختلفة	4.2.6. Work in a team, and Apply leadership skills to enhance team functioning, the learning environment, and/or the health care delivery system
4.2.7. إدارة الوقت بكفاءة	4.2.7. Manage time efficiently
٤,٢,٨.التعلم الذاتي والمستمر	4.2.8. Demonstrate skills of self-learning and lifelong learning needs of medical profession.

ANNEX II: ARS VS. MSc PROGRAM of occupational medicine

NAQAAE برامج الماجستير	Faculty Master (MSC) Program	MSc Program of occupational medicine
٢,١. المعرفة والفهم: بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا علي الفهم والدراية بكل من:	**2.1. Knowledge & Understanding:** Upon completion of **the Master Program** the graduate should have sufficient knowledge and understanding of:	**2.1. Knowledge & Understanding:** Upon completion of **the Master program of occupational medicine** the graduate should be able to :
٢,١,١. النظريات والأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة	2.1.1. Understand the scientific basis and modern knowledge in the field of specialization and related medical sciences	A1. Identify Basics of industrial chemistry: Steps of various industries, possible risks in each step and its ways of prevention. A4. Define Demography and vital statistics basics : Definition of demography, rate & ratio, cesnsus, population pyramid, vital indices, sources of data.
٢,١,٢. التأثير المتبادل بين الممارسة المهنية وانعكاسها علي البيئة	2.1.2. The mutual influence of professional practice on work environment, working conditions, and job characteristics.	A2. Recognize Fundamentals of environmental sciences: Health hazards of air pollution, water pollution, and ways for achievement of food sanitation.
٢,١,٣. التطورات العلمية في مجال التخصص	2.1.3. Scientific developments in the field of specialization	A9. Define Chemical industry fundamentals: hazards of metals, gases, solvents, insecticides and various toxins related to occupational exposures. A10. Describe Pulmonary diseases basics: 12 practical hours offered by the Chest department to diagnose occupational lung diseases. A11. Identify basics of Dermatological diseases: 4 practical hours offered by the Chest department to diagnose occupational skin diseases.
٢,١,٤. المبادئ الأخلاقية والقانونية للممارسة المهنية في مجال التخصص	2.1.4. Recognize basics of medico-legal aspects of practice, malpractice and avoid common medical errors	A3. Memorize basics of Clinical Toxicology: basics for toxicology and how to deal with simple cases, various toxins that workers may be at hazard to contract and how to prevent and treat these cases.
٢,١,٥. مبادئ وأساسيات الجودة في الممارسة المهنية في مجال التخصص	2.1.5. Quality principles in the scholarly field	A8. Memorize Occupational medicine fundamentals: including industrial and non-industrial hazards, ergonomics, chest, blood, urinary system and other organ diseases related to occupational hazards.
٢,١,٦. أساسيات وأخلاقيات البحث العلمي	2.1.6. Basis of research methodology and medical ethics.	A6. Identify Research design basics: Types of study design, screening tests and its evaluation,

		Measurement of disease risk factors and interpretation of the attributable risk, relative risk, and odds ratio
2.2.المهارات الذهنية: بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا على:	**2.2. Intellectual Skills:** Upon completion of the master program, the graduate should be able to:	**2.2. Intellectual skills:** Upon completion of **the Master Program of occupational medicine** the graduate should be able to
2.2.1. تحليل وتقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل	2.2.1. Use judgment skills for analytical and critical problem solving	B1. Correlates the facts of supportive sciences related to biostatistics and occupational epidemiology with proper reasoning
2.2.2. حل المشاكل المتخصصة مع عدم توافر بعض المعطيات	2.2.2. Capable of integrating knowledge and dealing with complex subjects to solve problems	B2. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to Industries Medicine &Occupational Health
2.2.3 الربط بين المعارف المختلفة لحل المشاكل المهنية	2.2.3. Be capable of integrating research results and/or results of history, physical and laboratory test findings to solve a research or a clinical problem.	B2. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to Industries Medicine &Occupational Health
2.2.4. إجراء دراسة بحثية و/أو كتابة دراسة علمية منهجية حول مشكلة بحثية	2.2.4. Effectively apply research methods and carrying out a medical research thesis	B2. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to Industries Medicine &Occupational Health
2.2.5. تقييم المخاطر في الممارسات المهنية في مجال التخصص	2.2.5. Be aware of risk management principles, and patient safety.	B3. Formulate management plans and alternative decisions in different situations in the field of the occupational &environmental medicine
2.2.6. التخطيط لتطوير الأداء في مجال التخصص	2.2.6. Establish goals, commitments, and strategies for improved professional performance in the field of specialty	B3. Formulate management plans and alternative decisions in different situations in the field of the occupational &environmental medicine
2.2.7. اتخاذ القرارات المهنية في سياقات مهنية متنوعة.	2.2.7. Take professional situational decisions and logically support them.	B3. Formulate management plans and alternative decisions in different situations in the field of the occupational &environmental medicine
3.2.المهارات المهنية: بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا على:	**3.2. Professional Skills:** Upon completion of the master program , the graduate must be able to:	**3.2. Professional and practical skills:** Upon completion of the Master Program of occupational medicine the graduate should be able to :
3.2.1. إتقان المهارات المهنية الأساسية والحديثة في مجال التخصص.	3.2.1. Master the basic and some advanced professional skills in his scholarly field.	C2. Carry out patient management plans for common clinical toxicology conditions related to occupational diseases and occupational medicine.

٣,٢,٢كتابة و تقييم التقارير المهني.	3.2.2. Write and evaluate medical or scientific reports	C3. Present a case & writing a report in chest diseases that are contributed to occupationally or environmentally related conditions.
٢,٣,٣تقييم الطرق والأدوات القائمة في مجال التخصص	3.2.3. Assess and evaluate technical tools during research	C1. Conduct epidemiological occupational studies and surveys &perform data management including data entry and analysis
4.2.المهارات العامة والمنتقلة **:** بانتهاء دراسة برنامج الماجستير يجب أن يكون الخريج قادرا على:	4.2. **General and transferable skills** Upon completion of the master program, the graduate should be able to:	**4.2 General and transferable skills:** Upon completion of the Master Program of occupational medicine the graduate should be able to :
٤,٢,١. التواصل الفعال بأنواعه المختلفة	4.2.1. Communicate effectively using a written medical record, electronic medical record, or other digital technology.	D1. Evaluate indicators of occupational health and diseases. D4. Organize and manage data, including graphic and tabular presentations D5. Analyze and interpret data
٤,٢,٢. استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية	4.2.2. Use of information technology (computer to create, process, store, secure and exchange electronic data) in the field of medical practice.	D2. Identify prevalent health problems in our community workplaces, using various epidemiological strategies.
4.2.3. لتقييم الذاتي وتحديد احتياجاته التعلمية الشخصية	4.2.3. Assess himself and identify personal learning needs	D1. Evaluate indicators of occupational health and diseases.
4.2.4. استخدام المصادر المختلفة للحصول على المعلومات والمعارف	4.2.4. Use various sources for information (physical and digital sources).	D3. Collect and verify data from different sources.
4.3.5. وضع قواعد ومؤشرات تقييم أداء الآخرين	4.2.5. Setting indicators for evaluating the performance of others	D6. Maintain ethical sound relationship with occupational workers and professionals during data management.
4.2.6. العمل في فريق، وقيادة فرق في سياقات مهنية مختلفة	4.2.6. Work in a team, and Apply leadership skills to enhance team functioning, the learning environment, and/or the health care delivery system	D6. Maintain ethical sound relationship with occupational workers and professionals during data management.
4.2.7. إدارة الوقت بكفاءة	4.2.7. Manage time efficiently	D1. Evaluate indicators of occupational health and diseases.
٤,٢,٨.التعلم الذاتي والمستمر	4.2.8. Demonstrate skills of self-learning and lifelong learning needs of medical profession.	D7. Apply appropriate health promotion, disease prevention, and control measures in various occupations against multiple physical and chemical hazards.

Annex 3: Matrix of Coverage of MSC Program ILOs by Course Content

Courses (List of courses in 1st and 2nd parts)	**Program Intended Learning Outcomes (ILOs)**			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
Basics of industrial medicine and clinical toxicology	**A1, A2,A3, A9,a10**	**B2**	**C2**	**D1,d2,d3,d7**
Sociology, behavioral sciences and psychological science related to industry	**A7**	**B2**	**C2**	**D7**
Medical statistics	**A4,a5,a6**	**B1**	**C1**	**D1,d3,d5**
Medical ethics	**A4,a6**		**C2**	**D6**
Occupational medicine: disability percentage, analysis, diagnosis of occupational diseases Industrial health: rehabilitation, working regulations and industrial safety	**A8,a10,a11**	**B2,b3**	**C2**	**D6,d7**
Occupational lung diseases Occupational skin diseases	**A8,a10,a11**	**B2,b3**	**C2,c3**	

Thesis		**B1,B2,B3**	**C1,C2**	**D1,D2,D5**

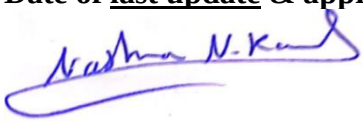
Annex 4: Matrix of Coverage of Course ILOs by Methods of teaching and learning

Methods of Teaching & Learning	**Intended Learning Outcomes (ILOs)**			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
Lecture	A1,A2, A3,A4,A6, A7,A8,A9,A10,A11	B1,B2,B3		
Practical			C1,C2,C3	
Presentation/seminar Journal club Thesis discussion Training courses & workshops	A1,A2, A3,A4,A6, A7,A8,A9,A10,A11	B1,B2,B3	C1,C2,C3	D1,D2,D3,D4,D5,D6,D7

Annex 5: Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	**Intended Learning Outcomes (ILOs)**			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Written exam	A1,A2, A3,A4,A6, A7,A8,A9,A10 ,A11	B1,B2,B3		
Practical exam			C1,C2,C3	
Oral Exam	A1,A2, A3,A4,A6, A7,A8,A9,A10 ,A11	B1,B2,B3		
Seminars, presentations, Assignments, Logbook assessment	A1,A2, A3,A4,A6, A7,A8,A9,A10 ,A11	B1,B2,B3	C1,C2,C3	D1,D2,D3,D4,D5 ,D6,D7

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir
Head of Department: Prof Dr Nashwa Nabil
Date of last update & approval by department council: 6 /3 /2023



Course Specifications of: Basics of industrial medicine and clinical toxicology

University: Minia University
Faculty: Faculty of Medicine
Department offering the course: Department Of public health & occupational Medicine department
Course Specifications: It is a part of the Postgraduate (MSC) Program of Occupational Medicine.
Program (s) on which the course is given: First part MSC of of Occupational and Industrial Medicine.
Major or minor element of programs: Occupational and Industrial Medicine

1- Basic Course Information		
Academic Year/ level: First Part MSC, occupational medicine	**Course Title:** occupational medicine	**Code: IN200**
Number of teaching hours: **Lectures:** 2 h / week **Practical:** 1 h/ week		
2-Overall Aims of the course		
The aim of this course is to provide the postgraduate student with the medical knowledge and skills essential for the practice of specialty and necessary to gain further training and practice in the field of occupational medicine: 1-Prepare a physician with the scientific and engineering background of health, safety and environmental control. 2-Inform public policy, disseminate health information, and increase awareness of workers of different fields to the possible hazards the may be exposed to.		
3- **Intended learning outcomes of the course (ILOs)**		
Upon completion of the course, the candidate should be able to:		

A-Knowledge and understanding	A1.Basics of industrial chemistry: Steps of various industries, possible risks in each step and its ways of prevention. A2. Fundamentals of environmental sciences: Health hazards of air pollution, water pollution, and ways for achievement of food sanitation. A3. Clinical Toxicology: basics for toxicology and how to deal with simple cases, various toxins that workers may be at hazard to contract and how to prevent and treat these cases.		
B-Intellectual Skills	B1Correlates the facts of supportive sciences related to occupational epidemiology with proper reasoning B2. Formulate management plans and alternative decisions in different situations in the field of the occupational &environmental medicine		
C-Professional and practical skills	C1. Conduct epidemiological occupational studies and surveys &perform data management including data entry and analysis. C2. Carry out patient management plans for common clinical toxicology conditions related to occupational diseases and occupational medicine.		
D- General and transferrable Skills	D1. Evaluate indicators of occupational health and diseases. D2. Identify prevalent health problems in our community workplaces, using various epidemiological strategies		
4-Course content	No. Of hours	Lectures	Practical
Basics of industrial medicine and occupational medicine	12	10	2
Fundamentals of environmental sciences and pulmonary physiology	8	6	2
Clinical toxicology,	8	6	2

chemical industry, industrial processes, industrial materials and related health hazards			
	28	22	6

5-Teaching and learning methods

5.1- Lectures: live, online, and pre-recorded video lectures

5.2- Practical lessons.

5.3- Seminars.

6- Student assessment methods

6. 1- log book

6.2- **Written exams:**

Short essay: to assess knowledge

Problem solving: to Asses intellectual skills

MCQ: to assess knowledge and intellectual skills

6.3- **Practical Exams:** to assess practical and intellectual skills

6.4- **Oral Exams:** to assess knowledge, understanding, attitude, and communication.

7-Weighting of assessments

Writen exam	60

Oral exam	45
Practical examination	45
Total	150

8- List of references

8.1- Course notes: - Department Books, and notes.

-Logbook

8.2- text books:

Joseph Ladu: Occupational medicine (1990), Appleton & Lange publisher, san matco, calefornia.

8.3- Periodicals:

Egyptian Journal of occupational medicine

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023

Blueprint of basics of occupational medicine and clinical toxicology

Topic	Hours	Knowledge%	Intellectual%	%topic	Knowledge		Intellectual		Marks
					No of item	mark	No of item	mark	
Basics of industrial medicine and occupational medicine	10	70%	30%	45.45%	**2**	**10**	**1**	**20**	**30**
Fundamentals of environmental sciences and pulmonary physiology	6	70%	30%	27.27%	**2**	**8**	**1**	**7**	**15**
Clinical toxicology, chemical industry and related health hazards	6	70%	30%	27.27%	**2**	**8**	**1**	**7**	**15**
Total	**22**			100%	**6**		**3**		**60**

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023

A. Matrix of Coverage of Course ILOs By Contents

Topic	ILOS
1- Basics of industrial medicine and occupational medicine: - Concept of occupational health and safety - The industrial health personnel	A1, B1,B2, D1, D2
2- Fundamentals of environmental sciences and pulmonary physiology: - Physical hazards: heat, cold, vibration, pressure, ionizing and non ionizing radiation, noise - Air pollution: oudoor, indoor, biological, chemical - Smoking - Particle deposition and pulmonary defense mechanism 19 Pulmonary function tests 28 Dust lung diseases (pneumoconiosis)	A2, B1, B2, C1, D1,D 2
3- Clinical toxicology, chemical industry, industrial processes, industrial materials and related health hazards: - Solvents - Pesticides - Metals - Noxious gases - Industries: cement, sugar, cotton, brick	A3, B1, B2, C1, C2, D1,D2

B.Matrix of Coverage of Course ILOS by Methods of teaching and learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Lecture	**A1,a2,a3**	**B1,b2**		
Practical			**C1,c2**	**D1,d2**
Presentation/seminar Journal club Thesis discussion Training courses & workshops	**A1,a2,a3**	**B1,b2**	**C1,c2**	**D1,d2**

C.Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written exam	A1,A2,A3	B1,B2		
Practical exam			C1,C2	D1,d2
Oral Exam	A1,A2,A3	B1,B2		D1,d2

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir
Head of Department: Prof Dr Nashwa Nabil
Date of last update & approval by department council: 6 /3 /2023

Course Specifications of Psychology 1st Part of MSc Program of occupational medicine
2022/2023

University: Minia
Faculty: Medicine
Department: Neurology and psychiatry

1. Course Information		
• Academic Year/level: 1st part of MSc of Industrial medicine.	• Course Title: Psychology.	• Code: IN 200
• Number of teaching hours: - Lectures: Total of 48 hours; 2 hours/week - Practical/clinical: Total of 28 hours; 2 hours/week		
2. Overall Aims of the course	*By the end of the course the student must be able to:* 1.Demonstrate mastery of basics, methodology and tools of scientific research and medical audit in the field of psychology and psychopathology 2. Appraise and improve clinical practice in the field of psychology and psychopathology 3. Integrate the medical knowledge in the field of psychology and psychopathology with other relevant sciences and apply such knowledge during professional practice 4. Identify and create solutions for common health problems in the field of psychology and psychopathology 5. Demonstrate competency in a wide range of professional skills in common areas of specialty, from basic practice and related clinical care to evidence-based clinical application, and acquisition of skills to manage independently all problems in the field of psychology and psychopathology 6. Use efficiently recent technologies to improve the professional practice of psychology and psychopathology 7. Demonstrate comprehensive awareness of common public health problems and plan to improve & maintain health care on system-based approach 8. Show appropriate attitudes and professionalism that reflect obligation to credibility and principles of medical practice. 9. Demonstrate commitment for lifelong learning, self-development and	

	continuous medical education in the field of psychology and psychopathology as well as educating others.

3. Intended learning outcomes of course (ILOs): *Upon completion of the course, the student should be able to:*	
A- Knowledge and Understanding	A1. Describe theories, basics and updated knowledge in the fields of psychology, perception, attention, memory, intelligence, thinking, developmental psychology, social psychology, personality, sleep, learning emotions and aggression. A2. Describe theoretical basis of contemporary schools (psychoanalysis, behaviorism, transactional psychology, gestalt psychology, existential psychology) A3. State recent advances in the fields of psychology and psychopathology A4. Outline basics, methodology, tools of psychometric assessment including assessment of intelligence, personality and organic brain disorders. A5. Identify the effect of professional practice issues on public health and health policies and methods of maintenance of public health and plan for system-based improvement
B- Intellectual Skills	B1. Appraise & interpret relevant basic information, pathological features, then correlate them with essential clinical data to produce a list of differential diagnosis. B2. Solve problems based on analysis of available data for common health problems by giving a list of differential diagnosis for further advanced investigations. B3. Conduct efficiently the proposed research thesis B4. Develop the basic skills of scientific writing of papers B5. Evaluate & manage efficiently potential risks that may arise during the professional practice in the field of psychology and psychopathology in various practical situations. B6. Plan for acquiring of necessary skills of basic and modern psychometric assessment techniques. B7. Develop the skills to manage evidence-based discussion during case-presentation

C- Professional and Practical Skills	C1. Take proper history in conditions related to psychology and psychopathology. C2. Order the appropriate psychometric tests related to psychiatric conditions. C3. Interpretation of the findings of psychometric tests.
D- General and transferable Skills	D1. Demonstrate effective communication skills in all its forms in various circumstances and contexts including students, colleagues, senior staff, technicians, patients and other health care workers D2. Use efficiently information technology (IT) including data entry & analysis D3. Demonstrate skills of teaching others and evaluating their performance. D4. Develop the skills of assessment of personal learning needs and planning for self-development and continuous medical education. D5. Use efficiently available information resources to get basic & recent knowledge. D6. Work efficiently as a team member as well as a team leader in various professional events & circumstances. D7. Demonstrate basic & essential competencies for management of scientific meetings and manage time efficiently.

4. Course Contents			
Topic	Lecture hours/week	Practical/Clinical hours/week	Total No. of hours hours/week
GENERAL Psychology			
1. Fields of psychology	4	4	8
2. Perception	4	-	4
3. Attention	4	2	6
4. Thinking	3	3	6
5. Memory	4	-	4
6. Learning	3	3	6
7. Personality	4	-	4
8. Intelligence	2	-	2
9. Sleep and dreams	4	4	8

10. Emotions	4	-	4
11. Aggression	4	-	4
12. Social psychology	6	6	12
13. Developmental psychology	6	6	12
Total	48	28	76
5. Teaching and Learning Methods	5.1. Lectures. 5.2. Practical/ case study 5.3. Self-learning activities such as use of internet and multimedia 5.4. Tutorial & regular weekly seminars, case presentation, training courses & workshops		
6. Teaching and Learning Methods for students with limited Capacity	-		
7. Student Assessment			

A. Student Assessment Methods	1. Written exam to assess the capability of the candidate for assimilation and application of the knowledge included in the course. 2. Oral exam to assess the student intellectual and communication abilities regarding basic knowledge and understanding of the course topics, and to help the teaching staff to evaluate the % of achievement of the intended learning outcome of the course.
B. Assessment Schedule (Timing of Each Method of Assessment)	Assessment 1: Written exam at the end of course. Assessment 2: Oral exam.

C. Weighting of Each Method of Assessment	Type of Assessment % • Written examination (60%) • Oral examination. (40%) Total (100%) *N.B.* - *For each exam, ≥ 60% is essential to pass*.
8. List of References	
A. Course Notes/handouts	1 –Psychology notes: prepared by staff members
B. Recommended Text Books	2- A textbook of human psychology
C. Periodicals, websites	To be determined and update during the course work. 1-American Journal of psychology 2- www.pubmed.com

Blueprint of psychology examination paper

No.	Topic	ILOs	Contact Hours	Weight %	Total marks
١	Fields of psychology	A1	4	8.3	3
٢	Perception	A2	4	8.3	2
٣	Attention	A3	4	8.3	2
٤	Thinking	A4	3	6.2	2
٥	Memory	A5	4	8.3	2
6	Learning	A6	3	6.2	2
7	Personality	A7	4	8.3	2
8	Intelligence	A4	2	4.1	2
9	Sleep and dream	A3	4	8.3	2
10	Emotions	A1	4	8.3	2
11	Aggression	A1	4	8.3	2
12	Social psychology	A1	6	12.5	3
13	Developmental psychology	A1	6	12.5	4
	Total		48	100%	30

Course Coordinator:

Dr. Mustafa Mahmoud Abdelnaem

Head of Department:

Prof. Dr. Nermin Aly Hamdy.

Date of last update & approval by department Council 3/2023

A. Matrix of Coverage of Course ILOs By Contents

Topic	**Knowledge and understanding**	**Intellect-ual Skills**	**Professional and Practical Skills**	**General skills**
Fields of psychology	A1-A5	B1-B3	C1-C3	D1
Perception	A1-A5	B1-B3		D3
Attention	A1-A5	B1-B3		D4
Thinking	A1-A5			D5
Memory	A1-A5			
Learning	A1-A5	B1-B4		
Personality	A1-A5		C1-C3	D1
Intelligence	A1-A5			
Sleep and dream	A1-A5			D2
Emotions	A1-A5	B4-B7		
Aggression	A1-A5			
Social psychology	A1-A5		C1-C3	D7
Developmental psychology	A1-A5		C1-C3	D7

B - Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Lecture	A1-A5			
Practical			**C1-3**	
Clinical			**C1-3**	**D1-d2**
Presentation/seminar Journal club Thesis discussion Training courses & workshops	**A1-A5**			

c.**Matrix of Coverage of Course ILOs by Methods of Assessment**

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Written exam	**A1-A5**			
Oral Exam		**B1-B7**	**C1-C3**	
Assignment				**D1-D2**

Course Coordinator:
Dr. Mustafa Mahmoud Abdelnaem

Head of Department:
Prof. Dr. Nermin Aly Hamdy.

Date of last update & approval by department Council 3/2023

Course Specifications of: "*Medical Statistics for Master degree in Occupational medicine"*

2022-2023

University: Minia University

Faculty: Faculty of Medicine

Department offering the course: Public Health and occupational Medicine department.

Course Specifications

It is a part of Postgraduate (MSC) Programme for occupational medicine.

Programme(s) on which the course is given: First part MSC of occupational medicine

Major or minor element of programmes: medical Statistics

1- Basic Course Information		
Academic Year/ level: First Part MSC , occupational medicine	**Course title:** Medical Statistics	**Code:IN200**
Number of teaching hours: **-Lectures :**2h / week		
2-Overall Aims of the course		
By the end of the course the candidate must be able to: 1- Use statistical principles to improve their professional work 2-To use precisely the research methodology in researches.		
3- **Intended learning outcomes of course (ILOs)**		

Upon completion of the course , the candidate should be able to :	
A-Knowledge and understanding	A1.Demography and vital statistics: Definition of demography, rate & ratio, cesnsus, population pyramid, vital indices, sources of data. A2. Medical statistics: collection of data, steps of sample selection and sample size, presentation of data, descriptive statistics and measures of variability. A3. Research design: Types of study design, screening tests and its evaluation, Measurement of disease risk factors and interpretation of the attributable risk, relative risk, and odds ratio.
B-Intellectual Skills	B.1. Correlates the facts of supportive sciences related to biostatistics with proper reasoning B2. Select the proper test of significance for a specific data B.3Interpret selected test of significance
C-Professional and practical skills	C1. Conduct epidemiological studies and surveys &perform data management including data entry and analysis. C.2 Calculate measures of central tendency and measures of dispersion C3. Calculate sensitivity, specificity, and predictive values
D- General and transferrable Skills	D1.Collect and verify data from different sources. D2. Organize and manage data, including graphic and tabular presentations D3. Analyze and interpret data

	D.4.Take part and work in research team to conduct a specific study

4-Course content			
Statistics	No. Of hours	Lecture	Practical
Sampling		2	
Normal distribution curve		2	
Measures of central tendency and deviation		3	
Tests of significance		2	
Data presentation		2	
Introduction to research , research terminology		5	2
Study design , different types of stydy		4	2

5-Teaching and learning methods

4.1- Lectures: Face to face lectures, Pre-recorded video lectures

4.2- Practical lessons

4.3- Assignment

6- Student assessment methods

5.1- **Research assignment:** to assess general transferable skills, intellectual skills.

5.2- **Written exams:**

Short essay: to assess knowledge

5.2- Oral Exams: to assess knowledge, understanding , attitude and communication

6-Weighting of assessments

Writing examination	30
Oral examination+ Open book/ practical	45
Total	75

7- List of references

6.1- Course notes: - Department Books, and notes.

-Logbook

6.2- Essential books (text books)

Essential Medical Statistics, Betty R. Kirkwood and J. A. Sterne (2000), 2nd edition

Introducing Research Methodology: A Beginners Guide to Doing a Research Project

6.3- Periodicals:

1-International Journal of Public Health

2-Egyptian Journal of Community Medicine

3-Journal of Biomedical Education

6.4-Web Sites:

https://lagunita.stanford.edu/courses/Medicine/MedStats-SP/SelfPaced/about?fbclid=IwAR3nfirLM4wnuEqqUjLjk8TCR7lzPdnpGqwin06L-GjFq32a62w3j6R5s9c

7- Facilities required for teaching and learning

1. Public Health and Community Medicine skill laboratory equipped with skill tools.
2. Class rooms for theoretical lectures and tutorials.

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023

Blueprint of Statistics and research examination paper

Topic	Hours	Knowledge%	Intellectual%	%topic	Knowledge		Intellectual		Marks
					No of item	mark	No of item	mark	
Statistics	9	70%	30%	45%	**2**	**8**	**1**	**7**	**15**
Research	11	60%	40%	55%	**1**	**8**	**1**	**7**	**15**
Total	**20**			100%					**30**

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023

A.Matrix of Coverage of Course ILOs by Contents

Contents (List of course topics)	Week No.	Intended Learning Outcomes (ILOs)			
		A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
		A	B	C	D
Sampling		A1			**D1**
Normal distribution curve and screening		A1			
Descriptive Statistics (measures of central tendency and measures		**A2**		**C3**	
Data presentation and normal distribution curve		**A2**			D2
Tests of Significance		**A2**	**B2,B3**	**C3**	**D3**
Introduction to research " terminology"		**A3**		**C1**	**D4**
Study design , different types of study		**A3**	**B1**	**C1**	**D4**

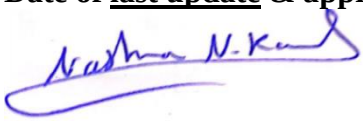
B. Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	**Intended Learning Outcomes (ILOs)**			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Lecture	A1,A2,A3	B1,B2,B3	C1,C2,C3	D1,D2,D3
Assignment	A1,A3	B3	C3	D4

C.Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Written exam	A1,A2,A3	B1,B2,3		
Oral Exam	A1,A2,A3	B1,B2,B3	C1,C2,C3	**D1,D2**

Program Coordinators: Dr Shimaa Mahmoud / Dr Chrestina Mounir
Head of Department: Prof Dr Nashwa Nabil
Date of last update & approval by department council: 6 /3 /2023



Course Specification of Medical Ethics
Master degree of occupational medicine (2022-2023)

University: Minia

Faculty: Medicine

Program on which the course is given: Master degree of occupational medicine
Major or minor element of program: Medical ethics, ethics of medical research
Department offering the program: Public health and Preventive, occupational Medicine Department
Department offering the course: Forensic Medicine & Clinical Toxicology Department
Academic year / Level: First part
Date of specification approval: Last date of approval: **7/11/2021**

A. Basic Information		
• **Academic Year/level:** Post graduate; 1st Part MSC, occupational medicine	• **Course Title**: Course Specification of Medical Ethics (Master degree of occupational medicine)	• **Code**:CM200
• **Number of teaching hours:** - **Lectures:** Total of 30 hours; ٢ hour/week - **Practical:** Total of 15 hours; 1 hour/week		
B- Professional Information		
1. Overall Aims of the course	By the end of the course the student should be able to identify the value of studying and practicing medicine, the duties of doctors towards their patients, colleagues and community, the ethics in medical consultations among colleagues and also able to explain respect the patient's confidentiality and secrets, recognize the role of health care providers in the community and describe medical errors, negligence and legal issues, ethics of medical research especially on human beings and finally able to explain ethics and evidence based medicine	
2. Intended learning outcomes of course (ILOs): ***Upon completion of the course, the student should be able to:***		
A- Knowledge and Understanding	**A.1**- Identify the basic concept of learning and practicing medicine from the religious and human point of view.	

	A.2- Identify the very beneficial impressive history of medicine; ethics related. **A.3-** Classify the main principles of medical ethics. **A.4-** Recognize an integrated approach to deal with patients, their families, community and medical staff in an ethical, legal and human manner. **A.5-** Identify rules in low and regulations to deal with patients in practicing medicine. **A.6-** Explain the standard and accredited methods of clinical research especially on human beings.
B- Intellectual Skills	**B.1-** Design approach to patients in different situations; critical and noncritical ones. **B.2-** Develop adequate communication skills with patients, community and colleagues. **B3-** Conclude in medical researches on clear ethical basis. **B.4-** Use knowledge and learn according to standard basis worldwide. **B.5-** Apply and practice medicine according to concepts of evidence based medicine. **B.6-** Recognize common ethical dilemma and suggest a proper solution.
C- Professional and Practical Skills	**C.1-** Use a high professional approach with colleagues and patients. **C.2-** Modify steps of upgrading his/her educational, academic and clinical carriers. **C.3-** Use the standard guidelines in managing patients. **C.4-** Identify what is called as clinical governance and auditing his /her Performance.
D- General and transferable Skills	**D.1-** Identify how to respect his/herself and the profession. **D.2-** Develop adequate behavior and skill communications with community. **D.3-** Modify life and live like others sharing social and national affairs. **D.4-** Develop the capacity of helping people and share in upgrading their culture and education. **D.5-** Identify how to participate in the national and social affairs and responsibilities.

3- Course Contents

TOPIC	Lecture Hours	Practical Hours	Total hours

Medical Responsibility and Duties of the physician	2	1	3
Medicolegal aspect of cloning	2	1	3
Defensive Medicine	2	1	3
Diagnosis of death & Death Certificates	2	1	3
Consent in medical field	2	1	3
Medical malpractice	2	1	3
Medical syndicate	2	1	3
Professional secrecy	2	1	3
Physician disciplinary proceeding	2	1	3
Domestic Violence	2	1	3
Euthanasia (Mercy death)	2	1	3
Ethics in medical research	2	1	3
Medical reports	2	1	3
Rules of using addictive drugs among physicians	2	1	3
Medical certificates	2	1	3
Total	(30 hr.) ٢/W	(15 hr.) 1/W	(45 hr.) 3/W

4- Teaching and Learning Methods	4.1 - Straight lectures; power point presentations 4.2 - Practical lessons 4.3 - Brain storming with the students 4.4 - Questions and Answers

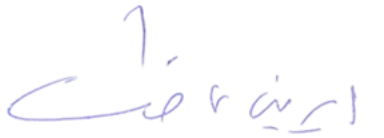
5- Teaching and Learning Methods to students with limited Capacity	(Not applicable)
A. Student Assessment Methods	**<u>TENDANCE CRITERIA</u>**: by Faculty laws (log book) **<u>ASSESSMENT TOOLS:</u>** *Final Written exam: short essay to asses knowledge and understanding. problem solving to asses intellectual skills MCQ to assess knowledge and intellectual skills. *Oral exam; to asses knowledge and understanding. Also intellectual skills, attitude, and communication. *Practical exam: to assess practical and professional skills.
B. Assessment Schedule	• Final Written exam week: 24-28 • Oral exam week: 24-28 • Practical exam week: 24-28
C. Weighting of Assessment	• Final Written exam 40% (40 Marks) • Oral & Practical exams 60% (60 Marks) • Total 100% (100 Marks)
6- List of References	
A. Course Notes/handouts	Department book by staff members. Log Book.
B. Essential Books (text books)	Medical Ethics Manual, 2nd Edition John R. Williams, 2009. Medical Ethics, 2nd Edition, Michael Boylan, 2014.
C. Recommended Books	Text book of medical ethics, Erich H. Loewy, 1989
D. Periodicals	Journal of Medical Ethics Journal of Medical Ethics and History of Medicine
E. Web sites	https://en.wikipedia.org/wiki/Medical_ethics https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5074007/
7- Facilities required for teaching and learning	Classrooms for theoretical lectures and tutorials

Course Coordinators:

Prof. Dr. Morid Malak Hanna

Dr. Mennatallah Mahmoud Ahmed

Head of Department:
Prof. Dr. Irene Atef Fawzy



<u>Date of last update & approval by department council:</u> 5/3/2023

كود المقرر	
مسمى المقرر	Course Specification of Medical Ethics Master degree of occupational medicine (First part))

جامعة/أكاديمية : .....المنيا.....

قسم: .....الطب الشرعى والسموم الأكلينكية.....

A. The Matrix of Coverage of Course IL by Contents

Contents	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Medical Responsibility and Duties of the physician	A1,3	B4	C1	D1,2
Medicolegal aspect of cloning	A1,2	B3	-	-
Defensive Medicine	A4,5	B6	C3	D3
Diagnosis of death & Death Certificates	A1,2	B2	-	-
Consent in medical field	A2,5	-	-	-
Medical malpractice	A1,6	B5	C4	D5
Medical syndicate	A5,6	B3	-	-
Professional secrecy	A1,2,3	-	-	D4
Physician disciplinary proceeding	A2,4,5	B2	-	D1.2,3
Domestic Violence	A2,4,6	-	C2	-
Euthanasia	A1,3,4	B1	-	-

(Mercy death)				
Ethics in medical research	**A1,2**	**-**	**-**	**-**
Medical reports	**A3,4**	**-**	**C1,2**	**D1.2**
Rules of using addictive drugs among physicians	**A1,4**	**B1,2**	**-**	**-**
Medical certificates	**A1,6**	**B3,5**	**C3**	**D1,4**

Course Coordinator: Dr. Morid Malak Hanna

Head of Department:
Prof. Dr. Irene Atef Fawzy

B. Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lecture	A1,2,3,4,5,6	B1,2,3,4,5,6	-	-
Practical	-	-	C1,2,3,4	-
Presentation/seminar	-	-	-	D1,2,3,4,5
Journal club	-	-	-	-
Thesis discussion	-	-	-	-
Training courses & workshops	-	-	-	D1,2,3,4,5

Course Coordinator: Dr. Morid Malak Hanna

Head of Department:
Prof. Dr. Irene Atef Fawzy

C. Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written exam	A1,2,3,4,4,5,6	B1,2,3,4,5	-	-
Practical exam	-	-	C1,2,3,4,5	-
Oral Exam	A1,2,3,4,4,5,6	B1,2,3,4,5	-	-

Course Coordinator: Dr. Morid Malak Hanna

Head of Department:
Prof. Dr. Irene Atef Fawzy

Blueprint of 1st master of occupational medicine Postgraduates" Medical Ethics Examination Paper (40 marks)

	Topic	Hours	Knowledge %	Intellectual %	% of topic	N of items Per topic	Knowledge		Intellectual		Marks	Actual Mark
							N of items	Mark	N of items	Mark		
1	Medical Responsibility and Duties of the physician & Defensive Medicine	4	75	25	13.32	1	1	5.32	1	10	5.32	5
2	Medicolegal aspect of cloning	2	75	25	6.66	1	1	2.66	---	---	2.66	3
3	Diagnosis of death & Death Certificates	2	75	25	6.66	1	1	2.66	---	---	2.66	3
4	Consent in medical field & Medical malpractice	4	70	30	13.32	1	1	5.32	1	10	5.32	5
5	Medicalsyndicate &Professional secrecy	4	75	25	13.32	1	1	5.32	---	---	5.32	5
6	Physician disciplinary proceeding & Euthanasia (Mercy death)	4	75	25	13.32	1	1	5.32	1	10	5.32	5
7	Domestic Violence	2	70	30	6.66	1	1	2.66	---	---	2.66	3
8	Ethics in medical research	2	80	20	6.66	1	1	2.66	---	---	2.66	3
9	Medical reports &	4	80	20	13.32	1	1	5.42	1	10	5.42	5

	Medical certificates											
10	Rules of using addictive drugs among physicians	2	75	25	6.76	1	1	2.66	---	---	2.66	3
	Total	30			100%			40		40	40	40

Course Coordinator: Dr. Morid Malak Hanna

Head of Department: **Prof. Dr. Irene Atef Fawzy**

Course Specifications of:

"Occupational medicine, and industrial health *Master degree in occupational medicine"*

2022-2023

University: Minia University
Faculty: Faculty of Medicine
Department offering the course: public health and occupational medicine department.
Course Specifications
It is a part of Postgraduate (MSC) Programme for occupational medicine department.
Programme(s) on which the course is given: Second part MSC of occupational medicine
Major or minor element of programmes: Occupational medicine, and industrial health

1- Basic Course Information		
Academic Year/ level: Second Part MSC, Occupational medicine	Course title: Occupational medicine, and industrial health	Code: IN 200
Number of teaching hours: -Lectures: 2 h / week Practical/clinical: 1 h / week		
2-Overall Aims of the course		
By the end of the course the candidate must be able to: 1-Examining risk assessment and the critical concepts of risk management and job hazard analysis. Job hazard analysis is a technique used to identify hazards associated with each step of carrying out a job and recommend suitable controls when necessary to ensure health and safety. 2-Training candidates to investigate accidents and identify direct and indirect accident sources. It examines the process of gathering facts and learning from accidents in order to develop future safety recommendations and measures. 3-Inform public policy, disseminate health information, and increase awareness of workers of different fields to the possible hazards the may be		

exposed to.	
3- Intended learning outcomes of course (ILOs)	
Upon completion of the course, the candidate should be able to:	
A-Knowledge and understanding	A1.Occupational medicine: including industrial and non-industrial hazards, ergonomics, chest, blood, urinary system and other organ diseases related to occupational hazards. A2. Chemical industry: hazards of metals, gases, solvents, insecticides and various toxins related to occupational exposures.
B-Intellectual Skills	B1. Correlates the facts of supportive sciences related to biostatistics and occupational medicine with proper reasoning B2. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to Industries Medicine &Occupational Health B3. Formulate management plans and alternative decisions in different situations in the field of the occupational &industrial medicine
C- Professional and practical skills	C1. Conduct epidemiological occupational studies and surveys C2. Carry out patient management plans for common clinical toxicology conditions related to occupational diseases and occupational medicine. C3. Present a case & writing a report in chest diseases that are contributed to occupationally or environmentally related conditions.
D- General and transferrable Skills	D1. Evaluate indicators of occupational health and diseases. D2. Identify prevalent health problems in our community workplaces, using various epidemiological strategies. D3. Apply appropriate health promotion, disease prevention, and control measures in various occupations against multiple physical and chemical hazards.

4-Course content			
	No. Of hours	Lecture	Practical
Occupational safety and human factors	4	4	
Ergonomics and prevention of occupational injuries	4	4	
Pulmonary function tests	5	4	1
Inorganic dust and pulmonary diseases	9	8	1
Organic dust pulmonary response and diseases	9	8	1
Work related psychology (job stress)	5	4	1
Occupational infections	8	8	
Occupational cancer	8	8	
Occupational heart diseases	5	4	1
Occupational hematological diseases	4	4	
Industries	18	16	2

5-Teaching and learning methods

4.1- Lectures: Face to face lectures, Pre-recorded video lectures

4.2- Practical lessons

6- Student assessment methods

6. 1- log book

6.2- **Written exams:**

Short essay: to assess knowledge

Problem solving: to assess intellectual skills

MCQ: to assess knowledge and intellectual skills

6.3- **Practical Exams:** to assess practical and intellectual skills

6.4- **Oral Exams:** to assess knowledge, understanding, attitude, and communication.

7-Weighting of assessments

Written examination	280
Oral examination:	210
Practical examination	210
Total	700

8- List of references

8.1- Course notes: - Department Books, and notes.
-Logbook

8.2- text books:

Joseph Ladu: Occupational medicine (1990), Appleton & Lange publisher, san matco, calefornia.

8.3- Periodicals:

Egyptian Journal of occupational medicine

Blueprint of occupational medicine second part MSC of occupational medicine

Topic	Hours	Knowledge%	Intellectual%	%topic	Knowledge		Intellectual		Marks
					No of item	mark	No of item	mark	
Occupational safety and ergonomics	**8**	**40%**	**60%**	11.11%	**1**	**10**	**2**	**20**	**30**
Occupational pulmonary, heart and neurological diseases	24	**30%**	**70%**	33.33%	**2**	**30**	**4**	**70**	**100**
Occupational infections and cancers	24	**40%**	**60%**	33.33%	**2**	**40**	**4**	**60**	**100**
Industries	16	**40%**	**60%**	22.22%	**1**	**20**	**2**	**30**	**50**
total	**72**			100%	**6**		**12**		**280**

Program Coordinators:
Dr Shimaa Mahmoud
Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023

A. Matrix of Coverage of Course ILOs By Contents

Contents (List of course topics)	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
Occupational safety and human factors	**A1,A2**	**B1,B2,B3**	**C1**	**D1**
Ergonomics and prevention of occupational injuries	**A1,A2**	**B1,B2,B3**	**C2**	**D2,D3**
Pulmonary function tests	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Inorganic dust and pulmonary diseases	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Organic dust pulmonary response and diseases	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Work related psychology (job stress)	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Occupational infections	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Occupational cancer	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Occupational heart diseases	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Occupational hematological diseases	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**
Industries	**A1,A2**	**B1,B2,B3**	C2,C3	**D2,D3**

B.Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
Lecture	A1,A2	B1,B2,B3		
Practical			C1,C2,C3	D1,D2,D3
Presentation/seminar Journal club Thesis discussion Training courses & workshops	A1,A2	B1,B2,B3	C1,C2,C3	D1,D2,D3

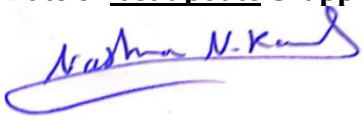
C.Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
Written exam	A1,A2,A3	B1,B2,B3		
Practical exam			C1,C2,C3	D1,D2,D3
Oral Exam	A1,A2,A3	B1,B2,B3		D1,D2,D3

Program Coordinators:
Dr Shimaa Mahmoud
Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023



Course Specifications of:

"*Occupational lung diseases for Master degree in Occupational medicine*"

2022-2023

University: Minia University

Faculty: Faculty of Medicine

Department offering the course: Occupational lung diseases

Course Specifications

It is a part of Postgraduate (MSC) Programme for occupational medicine.

Programme(s) on which the course is given: second part MSC of occupational medicine

1- Basic Course Information		
Academic Year/ level: second Part MSC , occupational medicine	**Course title:** Occupational lung diseases	**Code:IN200**
Number of teaching hours: **-Lectures :**2h / week		
2-Overall Aims of the course		
By the end of the course the candidate must be able to: 1- Define the lung diseases related to job hazards 2- Diagnose and investigate occupational lung diseases		

3- **Intended learning outcomes of course (ILOs)**	
Upon completion of the course , the candidate should be able to :	
A-Knowledge and understanding	A1- define different types of pneumoconiosis A2- define different causes of occupational asthma
B-Intellectual Skills	B1- diagnose occupational lung diseases clinically B2- examine occupational lung diseases radiologically
C-Professional and practical skills	C1-present a cases and writing report in occupational lung diseases C2- Carry out patient management plans for common occupational lung diseases
D- General and transferrable Skills	D1- identify prevalent lung diseases among workers D2- Maintain ethical sound relationship with occupational workers and professionals during management.

4-Course content			
	No. Of hours	Lecture	Practical
Organic dust exposure	2	-	2
Inorganic dust exposure	2	-	2
Radiological examination 1	2	-	2
Radiological examination 2	2	-	2

5-Teaching and learning methods

1- Practical lessons

2- Seminars

3- Group discussion

6- Student assessment methods

Case presentation

7- List of references

6.1- Course notes: - Department Books, and notes.

-Logbook

A.Matrix of Coverage of Course ILOs by Contents

Contents (List of course topics)	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
Organic dust exposure	A1			
Inorganic dust exposure	A1,A2			
Radiological examination 1		B1	C1	D1
Radiological examination 2			C1,C2	D2

B.Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
Practical lessons		B1.B2	C1,C2	
Seminars	A1,A2			D1,D2
Group discussion	A1,A2			D1,D2

C.Matrix of Coverage of Course ILOs by Methods of Assessment

Program Coordinators:

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Case presentation	A1,A2	B1,B2	C1,C2	**D1,D2**

Dr Shimaa Mahmoud
Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of <u>last update</u> & approval by <u>department council</u>: 6 /3 /2023

Course specification of chest
Course Specifications of:
"*occupational skin diseases for Master degree in Occupational medicine"*
2022-2023

University: Minia University
Faculty: Faculty of Medicine
Department offering the course: ***occupational skin diseases***
Course Specifications
It is a part of Postgraduate (MSC) Programme for occupational medicine.
Programme(s) on which the course is given: second part MSC of occupational medicine

1- Basic Course Information		
Academic Year/ level: second Part MSC , occupational medicine	**Course title:** ***occupational skin diseases***	**Code:IN200**
Number of teaching hours: **-Lectures :**2h / week		
2-Overall Aims of the course		
By the end of the course the candidate must be able to: 1- Define the skin diseases related to job hazards 2- Diagnose and investigate occupational skin diseases		
3- **Intended learning outcomes of course (ILOs)**		
Upon completion of the course , the candidate should be able to :		

A-Knowledge and understanding	A1- define different types of irritant and contact dermatitis A2- define different forms of skin cancers related to occupations
B-Intellectual Skills	B1- diagnose irritant and contact dermatitis clinically B2- differentiate between types of skin cancers(SCC, BCC, melanoma)
C-Professional and practical skills	C1- Carry out patient management plans for common occupational skin diseases
D- General and transferrable Skills	D1- identify prevalent skin diseases among workers D2- Maintain ethical sound relationship with occupational workers and professionals during management.

4-Course content			
	No. Of hours	Lecture	Practical
Irritant dermatitits	2	-	2
Contact dermatitis	2	-	2
Skin cancers	2	-	2

5-Teaching and learning methods

1- Practical lessons
2- Seminars
3- Group discussion

6- Student assessment methods

Oral exam

7- List of references

6.1- Course notes: - Department Books, and notes.

-Logbook

A.Matrix of Coverage of Course ILOs by Contents

Contents (List of course topics)	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
Irritant dermatitits	A1	B1	C1	D1,D2
Contact dermatitis	A1	B1	C1	D1,D2
Skin cancers	A1		C1	D1,D2

B.Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
Practical lessons		B1.B2	C1	
Seminars	A1,A2			D1,D2
Group discussion	A1,A2			D1,D2

C.Matrix of Coverage of Course ILOs by Methods of Assessment

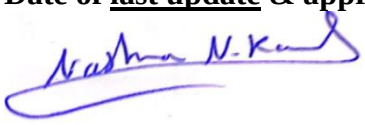
Program Coordinators:

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
	A	**B**	**C**	**D**
Oral exam	A1,A2	B1,B2	C1,C2	**D1,D2**

Dr Shimaa Mahmoud
Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023



تقرير مقرر دراسي

Course report of MSc degree in Occupational Medicine

University: Minia

Faculty: Medicine

Department: Department of Occupational Medicine

A-Basic Information

- **Course Ttitle and Code: master degree** in **Occupational Medicine (code: IN 200)**
- **Specialty: Occupational Medicine**
- **Level/year (1st or 2nd part): 1st part**
- **Number of units / Credit hours:**

Lectures | **16/ week** | + Practical/clinical | **4/ week**

- **Adopted system for selection & formation of examiners' committee:**

Available | √ | Not available | |

- **System of external evaluation of the exam:**

Available | √ | Not available | |

B- Professional Information

- **Statistical Information:**

- No. of students attended/joined the course	No.	1	%	
- No. of students completed the course & attended the exam	No.	1	%	

- Results:

Passed: No: **1** % | Failed: No: **zero** %

- Ssuccess percentages & distribution according to the grades of passed students:

Excellent	No:	**1**	**%**		Very good:	No:		**%**	
Good	No:		**%**		Pass:	No:		**%**	

2- Course Teaching:

- **Course topics taught**

Topic	**No. of hours**	**Lecture**	**Practical**
5- Basics of industrial medicine and clinical toxicology	12	8	4
6- Sociology, behavioral sciences and psychological science related to industry	4	4	
7- Medical statistics	2	2	
8- Medical ethics	2	2	
TOTAL	20	16	4

- Total percentage of the essential course topics that actually covered: 100 %

- Obligation/commitment of the teaching staff to the specified course content:

>85%		**60-84 %**		**<60%**	√

- The extent to which the exam covered the course topics:

>85%	√	**60-84 %**		**<60%**	

- Teaching and Learning Methods:

Lectures	16 lectures
Practical/laboratory training	4 practical
Clinical training	Continuous
Grand rounds	Continuous
Case presentation & case study	Continuous
Semester work/class activities	Continuous
Training courses and workshops	Continuous
Seminars	Continuous
Self-learning	Continuous
Others (specify)	Continuous

3- Student Assessment:

Method of Assessment	**Marks**	**%**
Written examination	120	40
Oral & practical examination	90	30
Practical/ Laboratory examination	90	30
Clinical examination		
Assignments/ activities/log book		
Other (Specify)		
Total	300	100

- **Written exam to assess** the student's comprehension and understanding of the class work.

- **Oral exam to assess** student's intellectual and communication abilities regarding basic knowledge and understanding of the course topics.
- **Practical exam to assess** the student's ability to identify different topics of the course and how to write a report.

4- Facilities available for Teaching:

- **Scientific references:**

Available	√	**Available to some extent**		**Unavailable**	

- **Assistant aids/tools:**

Available	√	**Available to some extent**		**Unavailable**	

- **Other materials, supplies and requirements:**

Available	√	**Available to some extent**		**Unavailable**	

5- Administrative & regulatory Constraints:

No	√	**Yes**	

- **If yes, Please list any inadequacies that impede the course delivery and achievement of ILOs:**

6 – Results of student feedback as a result of course evaluation:

- N.B. Please insert the results of the questionnaire including the percentage of individual items:

اراء عامة حول المقرر	ممتاز ١ (١٠٠٪)
يغطي المقرر مخرجات التعلم المستهدفة	ممتاز ١ (١٠٠٪)
من حيث المحاضرات	ممتاز ١ (١٠٠٪)
من حيث المحاضر	ممتاز ١ (١٠٠٪)
من حيث نظام التقويم	ممتاز ١ (١٠٠٪)
المعامل وامكان التدريب	ممتاز ١ (١٠٠٪)
المدرجات وقاعات الدرس	ممتاز ١ (١٠٠٪)
الاجمالي	ممتاز ١ (١٠٠٪)

- State the proposals of the staff members for course development & enhancement, in response to the issues raised by students.

7- External evaluator/s comments:

- the external evaluator report: Attached
- State here the issues that have been raised in that report: a lot of writing mistakes
- State the proposals of the staff members for dealing with those issues: corrected

8- Completed actions related to course development in the last year:

- N.B. Please list the issues & actions that have been done in the action plan of the last year.

9- Non-completed actions related to course development in the last year:

- Please list the issues/actions that have not been dealt with and the reasons for non-accomplishment.

10- Action plan for the next academic year:

- **Fields/areas of course development**

Actions Required	Completion Date	Responsible Person
Correcting writing mistakes	6/3/2023	Dr/Shimaa mahmoud

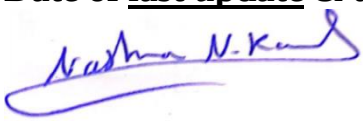
Program Coordinators:

Dr Shimaa Mahmoud

Dr Chrestina Mounir

Head of Department: Prof Dr Nashwa Nabil

Date of last update & approval by department council: 6 /3 /2023



نموذج (٢٠)

تقرير مراجع خارجي لبرامج الدراسات العليا

يعبر التقرير التالي عن الرأي العلمي الموضوعي للسيد / أ.د .حسين حسن سيد ظايط

- الوظيفة الحالية :استاذ متفرغ امراض مهنية وبيئية بكلية الطب جامعة القاهرة

تمت مراجعة وتقييم توصيف البرامج المرفق بناء على طلب :

قسم :الصحة العامة والطب المهنى

كلية / معهد :الطب

جامعة / أكاديمية : المنيا

اسم البرنامج :ماجستير طب الصناعات والامراض المهنية

تاريخ المراجعة :٥ مارس ٢٠٢٣

برجاء مراجعة المكونات التالية التي تساعد على التقييم الشامل لتوصيف البرنامج المعنى , وذلك باستخدام المقياس التالي :

أ) البيانات الأساسية للبرنامج :

العناصر	مستوفى	غير مستوفى
البيانات الأساسية	√	
اسم المنسق	√	

تعليقات المقيم

Program Coordinators: Dr Shimaa Mahmoud
Dr Chrestina Mounir
Head of Department: Prof Dr Nashwa Nabil

التقييم الأكاديمي :

أهداف البرنامج		
صياغة الأهداف	واضحة √□	غير واضحة □
قابلة للقياس	كمي √□	نوعى √□

تعليقات المقيم: صياغة الاهداف واضحة وقابلة للقياس

مخرجات التعليم المستهدفة للبرنامج :

مخرجات التعليم المستهدفة	واضحة √□ غير واضحة □
ارتباط مخرجات التعليم المستهدفة بأهداف البرنامج	مرتبطة √□ غير مرتبطة □
تحقق مخرجات التعلم المستهدفة بالمقررات	تتحقق √□ لا تتحقق □
مخرجات التعلم المستهدفة تتوافق مع مواصفات الخريج للبرنامج فى كل من - المجال المعرفى - المهارات التطبيقية والمهنية	 يتوافق √□ لا يتوافق □ يتوافق√ □ لا يتوافق □

– المهارات الزهنية – المهارات العامة	يتوافق√ □ لا يتوافق □ يتوافق√ □ لا يتوافق □
مخرجات التعلم المستهدفة للبرامج تواكب التطور العلمى فى مجال التخصص	تواكب√ □ لا يواكب □
مخرجات التعلم المستهدفة للبرنامج تواكب احتياجات سوق العمل	تواكب√ □ لا تواكب □

تعليقات المقيم .....

.....

المعايير الأكاديمية :	
تحديد المعايير الأكاديمية	محددة √□ غير محددة □
ملائمة المعايير الأكاديمية لمواصفات الخريج	ملائم√ □ غير ملائم □
تحقيق المعايير الأكاديمية المتبناة من خلال توصيف البرنامج	يتحقق √□ لا يتحقق □

تعليقات المقيم ....

.....

هيكل البرنامج ومحتوياته :
توازن هيكل البرنامج مع مواصفات الخريج من حيث : – مقررات العلوم الأساسية . – مقررات العلوم الإنسانية والاجتماعية – مقررات متخصصة – تدريب عملى وميدانى .

تعليقات المقيم: هيكل البرنامج متوازن فيما يخص العلوم الاساسية والتدريب الميدانى

ملاحظات :يجب الرجوع عند تقييم هذا الجزء إلى الهياكل المطبقة فى البرنامج المناظرة

ج) تقويم أعمال الطلاب	
ملائمة الطرق المستخدمة فى التقويم لطبيعة مخرجات التعلم المتهدفة	ملائمة □√ غير ملائمة □

تعليقات المقيم :

.....

د) مقررات البرامج :

يعتمد التقويم فى هذا الجزء على المراجعة الدقيقة لتوصيف المقررات الخاصة بالبرنامج

كود المقرر	Basics of industrial medicine and clinical toxicology		Sociology, behavioral sciences		Medical statistics	
	يتحقق	لا يتحقق	يتحقق	لا يتحقق	يتحقق	لا يتحقق
واضح أهداف المقرر	√		√		√	
ارتباط أهداف المقرر بأهداف البرنامج	√		√		√	
قابلية مخرجات التعلم المستهدفة للقياس	√		√		√	
ملائمة مخرجات التعلم المستهدفة لأهداف المقرر	√		√		√	
توافق مخرجات التعلم المستهدفة مع مصفوفة المعارف والمهارات للبرنامج	√		√		√	
ملائمة طرق التعليم والتعلم المستخدمة لتحقيق مخرجات التعلم المستهدفة	√		√		√	
اتسام محتويات المقرر بالحداثة	√		√		√	
الوسائل المستخدمة للتعليم والتعلم مناسبة للطرق المذكورة	√		√		√	
طرق تقييم الطلاب المستخدمة ملائمة	√		√		√	
المراجع المذكورة حديثة						

كود المقرر	Medical ethics		Occupational medicine, Industrial health		Occupational lung diseases		Occupational skin diseases	
	يتحقق	لا يتحقق	يتحقق	لا يتحقق	يتحقق	لا يتحقق	يتحقق	لا يتحقق
واضح أهداف المقرر	√		√		√		√	
ارتباط أهداف المقرر بأهداف البرنامج	√		√		√		√	
قابلية مخرجات التعلم المستهدفة للقياس	√		√		√		√	

ملائمة مخرجات التعلم المستهدفة لأهداف المقرر	√		√		√		√	
توافق مخرجات التعلم المستهدفة مع مصفوفة المعارف والمهارات للبرنامج	√		√		√		√	
ملائمة طرق التعليم والتعلم المستخدمة لتحقيق مخرجات التعلم المستهدفة	√		√		√		√	
اتسام محتويات المقرر بالحداثة	√		√		√		√	
الوسائل المستخدمة للتعليم والتعلم مناسبة للطرق المذكورة	√		√		√		√	
طرق تقييم الطلاب المستخدمة ملائمة	√		√		√		√	
المراجع المذكورة حديثة								

تعليقات أخرى

وجود اخطاء املائية كثيرة

رأى المقيم النهائي :

البرنامج موضوع بشكل جيد جدا ومستوفى التقاط العلمية لتوصيف البرنامج

اسم المراجع الخارجي: حسين حسن سيد ظايط

التوقيع: حسين حسن

تاريخ المراجعة : ٥مارس ٢٠٢٣