

**Ministry of Higher Education and Scientific Research**

**Scientific Supervision and Scientific Evaluation Apparatus**

**Directorate of Quality Assurance and Academic Accreditation**

**Accreditation Department**

**Academic Program and Course Description Guide Academic Program and Course Description Guide**

**Academic Program and Course Description Guide**

**2024**

**Introduction:**

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

**Concepts and terminology:**

**Academic Program Description**: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

**Course Description**: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

**Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students’ teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

**Academic Program Description Form**

**University Name: ..Al-Nahrain University..............**

**Faculty/Institute: ..College of Medicine................**

**Scientific Department: Surgery...............**

**Academic or Professional Program Name:Cardiothoracic & Vascular Surgery.**

**Final Certificate Name: ..M.B.Ch.B............**

**Academic System:** …………

**Description Preparation Date:**

**File Completion Date: 21-3-2024**

**Signature:**

**Head of Department Name:**

**Dr.Bashar Abbas**

**Date: 21-3-2024**

**Signature:**

**Scientific Associate Name:**

**Dr.Yaser Aamer Eisa**

**Date: 21-3-2024**

**The file is checked by:**

**Department of Quality Assurance and University Performance**

**Director of the Quality Assurance and University Performance Department:**

**Date:**

**Signature:**

**Approval of the Dean**

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| 1. **Program Vision** |
| Excellence in the field of teaching and training cardiothoracic and vascular surgery (CTVS) aiming for graduating medical staff with high scientific level |

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| 1. **Program Mission** |
| To assist the students acquire the essential knowledge , and clinical skills in the field of cardiothoracic and vascular surgery |

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| 1. **Program Objectives** |
| 1. to enable the student to acquire knowledge of the common diseases that affect the heart, lungs, mediastinum, and vascular system. 2. To help the student to appreciate the symptoms and signs of common cardiothoracic and vascular diseases 3. To enable the student to choose the useful diagnostic tools to assist in reaching a diagnosis 4. To enable the student to formulate a treatment plan for the common cardiothoracic and vascular diseases |

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| 1. **Program Accreditation** |
| The program has accreditation from the National Council for Accreditation of Medical Colleges (NCAMC) |

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| 1. **Other external influences** |
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| 1. **Program Structure** | | | | |
| **Program Structure** | **Number of Courses** | **Credit hours** | **Percentage** | **Reviews\*** |
| **Institution Requirements** |  |  |  |  |
| **College Requirements** |  |  |  |  |
| **Department Requirements** | **1** | **2** |  |  |
| **Summer Training** | **Nill** |  |  |  |
| **Other** |  |  |  |  |

\* This can include notes whether the course is basic or optional.

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| 1. **Program Description** | | | | | |
| **Year/Level** | **Course Code** | **Course Name** | **Credit Hours** | | |
| **theoretical** | | **practical** |
| **Fourth year** | **MEDResp–41** | **Respiratory Medicine** | **2** | **/** | |
| **Fourth year** | **MEDCar-41** | **Cardiology** | **2** | **/** | |
| **Fourth year** | **SRGGit-41** | **Gastrointestinal Surgery** | **2** | **/** | |
| **Fifth year** | **SRGSub-52** | **Surgical Emergency** | **2** | **/** | |
| **Sixth year** | **SRGSrg-6C** | **Surgery** | **/** | **30** | |

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| 1. **Expected learning outcomes of the program** | |
| **Knowledge** | |
| Basic applied heart, lungs, mediastinum and vascular anatomy  Pathophysiology of common cardiothoracic and vascular diseases  Symptoms and signs of common cardiothoracic and vascular diseases |  |
| **Skills** | |
| Arrange differential diagnosis from the presentation of the patient  Choose the appropriate diagnostic tests  Formulate treatment plan |  |
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| **Ethics** | |
| Enable the student to choose the appropriate management taking in consideration the socioeconomic status of patients |  |
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| 1. **Teaching and Learning Strategies** |
| Theoretical lectures presented as power point slides, with interaction between teacher and students |

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| 1. **Evaluation methods** |
| 1. Graded evaluation methods:   -quizzes ( 2 out of 100)  -homework ( 2 out of 100)  -mid term exam ( 26 degree)  -final exam ( 70 degrees)  B-Non graded formative exam |

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| 1. **Faculty** | | | | | | |
| **Faculty Members** | | | | | | |
| **Academic Rank** | **Specialization** | | **Special Requirements/Skills (if applicable)** | | **Number of the teaching staff** | |
| **General** | **Special** |  | | **Staff** | **Lecturer** |
| Assistant Prof 4 | 4 |  | Highest academic degree in ophthalmology in addition to a course in teaching methods |  |  | 4 assistant Prof |

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| **Professional Development** |
| **Mentoring new faculty members** |
| The role of the new faculty member is described and is allowed to attend lectures and clinical sessions with other faculty members and he or she are informed of the curriculum and the blue print of the lectures. |
| **Professional development of faculty members** |
| Faculty members have regular meetings to discuss and update the curriculum and to discuss the feedback from the students. The members are engaged in the continuous medical education courses and webinars held in the college and the online courses held by the continuous medical education unit of the college, in addition to attending conferences, courses held both at national and international levels. |

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| 1. **Acceptance Criterion** |
| **Medical students who complete their 3rd , 4th, 5th year successfully as declared by the examination committee of the college** |

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| 1. **The most important sources of information about the program** |
| Written program description available in the department of surgery |

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| 1. Program Development Plan |
| Incorporate technological advances in the classroom making use of the college educational internet based platform , to include questions, discussion and assignment during and after the lecture |

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| **Program Skills Outline** | | | | | | | | | | | | | | | |
|  | | | | **Required program Learning outcomes** | | | | | | | | | | | |
| **Year/Level** | **Course Code** | **Course Name** | **Basic or optional** | **Knowledge** | | | | **Skills** | | | | **Ethics** | | | |
| **A1** | **A2** | **A3** | **A4** | **B1** | **B2** | **B3** | **B4** | **C1** | **C2** | **C3** | **C4** |
| **4th year** | **MEDResp–41** | **Respiratory Medicine** | **basic** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |  | **\*** | **\*** |  |  |
| **4th year** | **MEDCar-41** | **Cardiology** | **basic** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |  | **\*** | **\*** |  |  |
| **4th year** | **SRGGit-41** | **Gastrointestinal Surgery** | **basic** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |  | **\*** | **\*** |  |  |
| **5th year** | **SRGSub-52** | **Surgical Emergency** | **basic** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |  | **\*** | **\*** |  |  |
| **6thyear** | **SRGSrg-6C** | **Surgery** | **basic** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |  | **\*** | **\*** |  |  |

* **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**

**Course Description Form**

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| 1. Course Name: cardiothoracic and vascular surgery | | | | | | | |
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| 1. Course Code: MEDResp–41/MEDCar-41/SRGGit-41/SRGSub-52/SRGSrg-6C | | | | | | | |
|  | | | | | | | |
| 1. Semester / Year: 1st semester, 4th year; 2nd semester, 5th year | | | | | | | |
|  | | | | | | | |
| 1. Description Preparation Date: March 21, 2024 | | | | | | | |
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| 1. Available Attendance Forms: physical attendance | | | | | | | |
|  | | | | | | | |
| 1. Number of Credit Hours (Total) / Number of Units (Total) | | | | | | | |
| 2 / 24 | | | | | | | |
| 1. Course administrator's name (mention all, if more than one name) | | | | | | | |
| Name: Yaser Aamer Eisa  Email: yaseraamer@nahrainuniv.edu.iq | | | | | | | |
| 1. Course Objectives | | | | | | | |
| **Course Objectives** | | | 1. **to enable the student to acquire knowledge of the pathophysiology of the common important diseases of the cardiothoracic and vascular systems.** 2. **To enable the student to know the symptoms and signs of the common cardiothoracic and vascular di diseases and to appreciate the presentation of them.** 3. **To enable the student to be familiar with the diagnostic tools used to reach the diagnosis** 4. **To help the student formulate a safe treatment plan** 5. **To have good knowledge of the emergency cardiothoracic and vascular conditions and how to deal with them** 6. **To have knowledge of the groups of drugs used in cardiothoracic and vascular diseases. .....**  * **.....** * **.....** | | | | |
| 1. Teaching and Learning Strategies | | | | | | | |
| **Strategy** | | The teaching is based on the lecture system which is given as power point slides, with interaction with the students. | | | | | |
| 1. Course Structure | | | | | | | |
| **Week** | **Hours** | | **Required Learning Outcomes** | **Unit or subject name** | | **Learning method** | **Evaluation method** |
| 1 | 2 | |  | 1. Trachea and forging body 2. surgical management of bronchiectasis. | | lecture | Classroom discussion |
| 2 | 2 | |  | 1. surgical aspect of TB 2. Pleural diseases. | | lecture | Classroom discussion |
| 3 | 2 | |  | 1. pulmonary cancer 2. lung transplant | | lecture | Pop-up quizzes |
| 4 | 2 | |  | 1. Introduction to heart surgery 2. Surgery for acquired heart diseases | | lecture | Classroom discussion |
| 5 | 2 | |  | 1. Surgery for congenital heart diseases 2. Chronic peripheral vascular disease | | lecture | Classroom discussion and quizzes |
| 6 | 2 | |  | 1. Diseases of aorta 2. Heart transplant | | lecture | Classroom discussion |
| 7 | 2 | |  | 1. Esophagus1: Oesophagitis, Dysphagia, Achalasia, Reflux, gastro-   esophageal reflux disease (GERD), Hiatus hernia   1. Esophagus2: Congenital anomaly, foreign body (F.B.), Tumors,   Surgical aspect of Achalasia, Reflux, Hiatus Hernia | | lecture | Classroom discussion and quizzes |
| 8 | 2 | |  | 1. vascular trauma 2. thoracic trauma | | lecture | Classroom discussion and homework assignment |
| 9 | 2 | |  | 1. venous disorders 2. abdominal aortic aneurysm | | lecture | quizzes |
| 1. Course Evaluation | | | | | | | |
| Evaluation methods include the following:  Quizzes 2 out of 100 degrees  Homework tasks 2 out of 100  Mid term exam 26 out of 100  Final exam 70 degrees | | | | | | | |
| 1. Learning and Teaching Resources | | | | | | | |
| Required textbooks (curricular books, if any) | | | | | Bailey and Love‟s textbook of surgery  Short Practice of Surgery by Hamilton Baiely  Schwartz Principles and Practice of Surgery  Physical signs in clinical surgery by Hamilton Bailey  Demonstration of physical signs by Norman N Brows | | |
| Main references (sources) | | | | | Bailey and Love‟s textbook of surgery  Short Practice of Surgery by Hamilton Baiely  Schwartz Principles and Practice of Surgery  Physical signs in clinical surgery by Hamilton Bailey  Demonstration of physical signs by Norman N Brows | | |
| Recommended books and references (scientific journals, reports...) | | | | | Bailey and Love‟s textbook of surgery  Short Practice of Surgery by Hamilton Baiely  Schwartz Principles and Practice of Surgery  Physical signs in clinical surgery by Hamilton Bailey  Demonstration of physical signs by Norman N Brows | | |
| Electronic References, Websites | | | | |  | | |