

Course Specifications

Course Title:	ORGAN TRANSPLANTATION
Course Code:	1000410
Program:	SURGERY
Department:	SURGERY
College:	Faculty of Medicine
Institution:	King Faisal University

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A. Course Identification

1. Credit hours: 1			
2. Course type			
a.	University <input type="checkbox"/>	College <input type="checkbox"/>	Department <input type="checkbox"/> / <input type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	
3. Level/year at which this course is offered: Fourth year - M.B., B.S (Groningen Medical Curriculum Adoption (GMCA 2012))			
4. Pre-requisites for this course (if any): Enrollment in Fourth Year faculty of Medicine			
5. Co-requisites for this course (if any): None			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	15	100
2	Blended		
3	E-learning		
4	Correspondence		
5	Other		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	15
2	Laboratory/Studio	
3	Tutorial	
4	Others (specify)	
	Total	15
Other Learning Hours*		
1	Study	5
2	Assignments	5
3	Library	2
4	Projects/Research Essays/Theses	5
5	Others (specify): lab activities	
	Total	17

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description
Training for the students and guide them through their development as medical professionals.

2. Course Main Objective:

To know the principles of solid organ transplantation. Indications , immunological basis and complications in organ transplantation.

3. Course Learning Outcomes

CLOs		Aligned-PLOs
1	Knowledge:	
1.1	Know immunological basis of allograft rejection	K.1
1.2	know the principles of immunosuppressive therapy	K.1
	Recognize the side effects of non-specific immunosuppression	K.1
1.3	To appreciate the main indications for organ transplantation	K.1
1.4	To be Familiar with the major issues concerning organ donation	K.1
1.5	To be able to give an account of the causes of graft dysfunction.	K.1
1.6	To know the likely outcomes after transplantation	K.1
1.7	To know the surgical principles of organ implantation	K.1
1.8	To be aware of potential future developments in transplantation	K.1
2	Skills	
2.1	Perform a research topic about prospects in solid organ transplantation	s.1
3	Competence	

C. Course Content

No	List of Topics	Contact Hours
1	Orientation to Solid organ transplantation course	1
2	Historical perspective, graft rejection	2
3	Immunosuppressive therapy	2
4	ORGAN DONATION	2
5	Kidney transplantation	2
6	Pancreas transplantation Liver transplantation	2
7	Small bowel transplantation Thoracic organ transplantation	2
8	Future prospects	2

Total	15
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D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Know immunological basis of allograft rejection	- lecture - Small group discussion	- Assignment: preparation of presentation on the topic reflection report after the session. - Direct observation - Group dynamics
1.2	know the principles of immunosuppressive therapy	AS ABOVE	AS ABOVE
1.3	Recognize the side effects of non-specific immunosuppression	AS ABOVE	AS ABOVE
1.4	To appreciate the main indications for organ transplantation	AS ABOVE	AS ABOVE
	To be Familiar with the major issues concerning organ donation	AS ABOVE	AS ABOVE
	To be able to give an account of the causes of graft dysfunction.	AS ABOVE	AS ABOVE
	To know the likely outcomes after transplantation	AS ABOVE	AS ABOVE
	To know the surgical principles of organ implantation	AS ABOVE	AS ABOVE
2.0			
2.1	Perform a research topic about prospects in solid organ transplantation	Assignment : to do a research on recent and future studies to overcome major problems of solid organ transplantation	- Assessment of the assignments at the end of the course
3.0			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Sessions evaluation	Every week	40
2	Assessment of Research assignments at the end of the course	8	20
3	Exam problem solving and MCQ	8	40

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Coaching module

- Academic support and counselling for the needy students

Course coordinator: Dr. Sherif Saleh Mondays, from 11:300 to 12:30 and Thursday 11:30 – 12:30.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<ul style="list-style-type: none"> - <i>Bailey & Love's Short Practice of Surgery:</i> - <i>Williams, Norman, P. Ronan O'Connell, and Andrew McCaskie.</i> - <i>The Collector's edition. CRC Press, 2018.</i>
Essential References Materials	<ul style="list-style-type: none"> - <i>Essential Surgery E-Book: Problems, Diagnosis and Management With STUDENT CONSULT Online Access.</i> Harper, Simon JF, and Kourosh Saeb-Parsy. Elsevier Health Sciences, 2013
Electronic Materials	<ul style="list-style-type: none"> • British Transplantation Society – The Voice of Transplantation (https://bts.org.uk) • Saudi Center for Organ Transplantation(www.scot.gov.sa) • Transplantation - LWW Journals - Wolters Kluwer (https://journals.lww.com) • Journal of Transplantation - Hindawi (https://www.hindawi.com) • American Journal of Transplantation - Wiley Online Library (https://onlinelibrary.wiley.com)
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Lecture room with multimedia facility
Technology Resources (AV, data show, Smart Board, software, etc.)	
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Computers connected to a 1 Gigabit per second local area network that provides more than 3.2 TB of network file storage. Networked file servers provide constant hardware backups of stored data through mirrored storage systems and tape backups.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course Objectives, Content and Learning Outcomes	Curriculum Committee	Course Review Course Report
Effectiveness of teaching	Faculty Students	Classroom Observation (QMS Annex O and P) Course Evaluation Survey (QMS Annex B)
Achievement of course learning outcomes	Course Faculty	Moderation (QMS Annex G and Annex H)
Assessment	Course faculty	Verification
Learning Resources and Facilities	Students Faculty	Course Evaluation Survey Course Report
Student Academic Counseling and Support	Students	Course Evaluation Survey
Course Quality Management	Program Coordinator	Course Report Review

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	College Council
Reference No.	2
Date	September 24, 2019