



مركز الاعتماد
وإضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course name:
Transfusion
medicine

1	Course title	Blood bank and transfusion medicine
2	Course number	0534715
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	2/1
4	Prerequisites/corequisites	
5	Program title	Masters in Laboratory medicine
6	Program code	
7	Awarding institution	University of Jordan, school of medicine
8	Faculty	Medicine
9	Department	Pathlogy, Microbiology and forensic medicine
10	Level of course	Masters
11	Year of study and semester (s)	2017-2018, second semester
12	Final Qualification	
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	March 27, 2018

16. Course Coordinator:

Ahmad Mansour, MD
 0795176396
Ah.mansour@ju.edu.jo
 Office hours: Sunday 10:00-12:00

17. Other instructors:

None

18. Course Description:

A weekly two-hour discussion of several subjects in blood banking and transfusion medicine, including blood groups, antibody identification, transfusion practice and products, and adverse reactions to blood transfusion. Additionally a weekly three-hour session in the laboratory performing hands-on procedures in the blood bank under the supervision of lab supervisors

1. 19. Course aims and outcomes:
2.

A- Aims: To provide a specialized conceptual understanding of the transfusion medicine aspects to gain knowledge the qualifies the student to be a safe laboratory assistant in the filed of transfusion medicine

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

- Describe the various regulations governing the practice of transfusion medicine in Jordan
- Perfectly perform tests in the blood bank such as blood grouping, cross matching, antibody screening, donor education, apheresis, serology testing, and questionnaire conductance.
- Describe the specification of the various RBC antigens and their significance.
- Identify the various antibodies
- Diagnose and manage the various complications of blood transfusion.
- Perform Quality management and optimal utilization of blood bank products.

20. Topic Outline and Schedule:

No.	Date	Presenter	Subject	Reference
1	29/1	Dr. Ahmad Mansour	-Red Blood Cell and Platelet Preservation: Historical Perspectives and Current Trends	Harmening chapter 1
2	5/2	Dr. Ahmad Mansour	-The Antiglobulin Test	Chapter 5
		Mohammad Abdeen	The ABO Blood Group System	Chapter 6
3	12/2	-Ibtisam AlMuti -Sarah Abu Jamous	The Rh Blood Group System	Chapter 7
4	19/2	-A.Obeidat -Lina Shannik	Blood Group Terminology and the Other Blood Groups	Chapter 8 (172-202) only
5	26/2	Aseel- Amarat and Wala' Zyood	Detection and Identification of Antibodies	Chapter 9
6	5/3	Majed Shamatly	Pretransfusion Testing	Chapter 10
7	12/3	Hajar Ibrahim	Donor Screening and Component Preparation 1	Chapter 13 (290-311)
8	19/3		BREAK	
9	26/3		MIDTERM EXAM	
10	2/4	Manal Nueimat	Donor Screening and Component Preparation 2	Chapter 13 (311-329)
11	9/4	Suhair Hweidi and Ala' Shugeirat	Apheresis	Chapter 14
12	16/4	Isra' Issa	-Transfusion therapy	Chapter 15

		Ahmad Al-Hisa	-Adverse Effects of Blood Transfusion	Chapter 16
13	23/4	Ala' Omary and Shroog	Transfusion-Transmitted Diseases	Chapter 18
14	30/4	Sarah Khalaf	Hemolytic Disease of the Fetus And Newborn (HDFN)	Chapter 19
15	7/5	-Ala' ejjawi -Nadia Omary	Autoimmune Hemolytic Anemias	Chapter 20
16	14/5	BREAK		
17	19/5	FINAL EXAM		

3.

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- 1- weekly seminar sessions
- 2- weekly quizzes
- 3- assignments
- 4- lab rotations
- 5- mid- and final exams

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

- 1- weekly quiz
- 2- mid and final exams
- 3- assignments
- 4- practical exam

23. Course Policies:

A- Attendance policies: maximum of three absences is allowed

B- Absences from exams and handing in assignments on time: in case of acceptable excuse, another exam will be held for people who could not attend the original exam

C- Health and safety procedures: a universal health care precaution system including protective health wear is mandated upon rotating through the lab.

D- Honesty policy regarding cheating, plagiarism, misbehavior: two-form policy is implimented.

E- Grading policy: mean and standard deviations are calculated and graded systemn is implemented.

F- Available university services that support achievement in the course: Jordan University Hospital laboratory.

24. Required equipment:

Labtop, projector.

2°. References:

A- Required book (s), assigned reading and audio-visuals:

a. **Modern Blood Banking & Transfusion Practices 6th Edition by Denise harmening**

b. Website: www.BBguy.com

Name of Course Coordinator: Ahmad T. Mansour Signature: ----- Date: March 27, 2018-

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

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Head of Department
Assistant Dean for Quality Assurance
Course File