



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR645 Clinical Training: Critical Care (For Pharm.D Students)

Summer Semester 2019-2020

Course Catalog

4 Credit Hours. This clinical training clerkship was established to prepare students to practice as pharmacy critical care clinical specialists and to give the students the chance to experiment dealing with critically ill patients. This course consists of 4 training weeks in ICU departments. The training includes various activities such as attending the morning round, other clinical rounds, discussing clinical cases, and detailed evaluation of the therapeutics of patients in the department.

Text Book

Title	Current diagnosis and treatment of critical care
Author(s)	Frederic Bongard
Edition	3rd Edition
Short Name	Ref # 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Pharmacotherapy: A Pathophysiologic Approach	J. Dipiro, R. Talbert et al	9th Edition	
Ref # 3	Current guidelines shared by instructor and preceptors	IDSA and other reliable organizations	1st Edition	

Instructor

Name	Dr. Belal Al-Husein
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Instructor

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Instructor	
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Class Schedule & Room	
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Section 1:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 2:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 3:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 4:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 5:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 6:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 7:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Section 8:

Lecture Time: Sun, Mon, Tue, Wed : -
Room: HOSPITAL

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	Glycemic control in critically ill patients, Stress ulcer prophylaxis, Venous thromboembolism prophylaxis, Acid-Base disorders, Electrolytes Disturbances, IV fluids, Shock, sepsis and septic shock. Disseminated intravascular coagulation, Neurosurgical critical care, Antibiotics/Antifungals in ICU, Catheter related infections, Ventilator associated pneumonia, Aspiration pneumonia, Status epilepticus, Analgesia, sedation, muscle relaxation and treatment of delirium, Diabetic Ketoacidosis, Hypertensive crises, TPN, Drug administration in feeding tubes, Guidelines for therapeutic drug monitoring, Dose adjustment in acute renal failure, Drug induced nephrotoxicity, Brain death	From Ref # 1 , From Ref # 2 , From Ref # 3

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Set up appropriate, individualized pharmaceutical care plans [1SO1.1, 1SO2.1]	20%	
Identify drug-therapy related problems [1SO1.1, 1SO2.1, 1SO3.1]	25%	
Provide recommendations to acute and chronic problems [1SO1.1, 1SO2.1, 1SO3.4, 1SO3.6, 1SO4.4]	30%	
Interpret suggested care plans for appropriateness [1SO1.1, 1SO2.1, 1SO3.1, 1SO3.4, 1SO3.6]	15%	

To learn how to retrieve and evaluate current drug therapy information from the literature and make recommendations utilizing evidence-based medicine to health care professionals. [1SO3.2, 1SO3.4, 1SO3.6, 1SO4.4]	10%	
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Relationship to Program Student Outcomes (Out of 100%)														
SO1.1	SO2.1	SO3.2	SO3.3	SO2.2	SO2.3	SO2.4	SO3.1	SO3.4	SO3.5	SO3.6	SO4.1	SO4.2	SO4.3	SO4.4
27.33	27.33	2.50					11.33	11.50		11.50				8.50

Policy	
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the standard JUST policy. The commitment of the acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied المادة 7 : إذا ضُبط الطالب أثناء الامتحان أو الاختبار متلبسا بالغش فتوقع عليه العقوبات التالية مجتمعة: أ- اعتباره راسبا في ذلك الامتحان أو الاختبار. ب- الغاء تسجيله في بقية المسابقات المسجل لها في ذلك الفصل. ج- فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه .
Attendance	According to the JUST policy: JUST policy requires the faculty member to assign ZERO grade (35) if a student misses 10% of the classes that are not excused. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.

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