



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Anesthesia Technology Department**

ANET216 Investigation Procedure And Techniques Lab - JNQF Level: 7

Second Semester 2022-2023

**Course Catalog**

1 Credit Hours. This course provides training in conducting investigative procedures and techniques covered in theoretical coursework. It specifically targets the skill set required for patient assessment during the preoperative preparation phase. Students will acquire the knowledge and expertise needed to assess clients across various stages of life. Emphasis is placed on systematically performing physical examinations from head to toe, focusing on recognizing normal findings and identifying any deviations. Training will involve simulated scenarios mimicking real-life settings, utilizing high-fidelity mannequins to enhance practical learning experiences.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Morgan and Mikhail's Clinical Anesthesiology
<b>Author(s)</b>	Butterworth, John, et al.
<b>Edition</b>	6th Edition
<b>Short Name</b>	1
<b>Other Information</b>	

**Instructor**

<b>Name</b>	<b>Dr. Eihab Khasawneh</b>
<b>Office Location</b>	-
<b>Office Hours</b>	Sun : 13:30 - 15:30 Mon : 13:15 - 14:45 Wed : 08:30 - 09:30 Thu : 14:30 - 16:30
<b>Email</b>	eakhasawneh1@just.edu.jo

**Class Schedule & Room**

Section 1:  
Lecture Time: Sun : 08:30 - 10:30  
Room: LAB

Section 2:  
Lecture Time: Sun : 10:30 - 12:30  
Room: LAB

Section 3:  
Lecture Time: Sun : 12:30 - 14:30  
Room: LAB

Section 4:  
Lecture Time: Sun : 14:30 - 16:30  
Room: LAB

Section 5:  
Lecture Time: Tue : 08:30 - 10:30  
Room: LAB

Section 6:  
Lecture Time: Tue : 10:30 - 12:30  
Room: LAB

Section 7:  
Lecture Time: Tue : 12:30 - 14:30  
Room: LAB

Section 8:  
Lecture Time: Tue : 14:30 - 16:30  
Room: LAB

Section 9:  
Lecture Time: Thu : 08:30 - 10:30  
Room: LAB

Section 11:  
Lecture Time: Thu : 12:30 - 14:30  
Room: LAB

Prerequisites		
Line Number	Course Name	Prerequisite Type
1172130	ANET213 Preoperative Assessment And Basic Investigation Lab	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Enhanced Recovery After Surgery (ERAS) Protocols: Simulation-based scenarios simulating ERAS pathways and perioperative care protocols. Students will engage in multidisciplinary team simulations, role-playing as anesthesia providers, surgeons, nurses, and other healthcare professionals, to optimize patient outcomes and enhance postoperative recovery.	From 1

Weeks 3, 4, 5	Transesophageal Echocardiography (TEE): Simulation-based training in TEE probe insertion, image acquisition, and interpretation for cardiac assessment in perioperative and critical care settings. Participants will practice TEE examinations on high-fidelity simulation manikins, with guidance from experienced instructors.	From 1
Weeks 6, 7, 8, 9	Simulation-Based Scenarios: Engagement in simulated patient care scenarios replicating complex clinical situations encountered in anesthesia practice. Participants will work in teams to manage perioperative emergencies, including airway crises, hemodynamic instability, and medication reactions, with debriefing sessions to facilitate reflection and learning.	From 1
Weeks 10, 11, 12, 13	Emerging Technologies: Demonstration and exploration of novel technologies and devices shaping the future of anesthesia practice, including closed-loop anesthesia delivery systems, robotic-assisted anesthesia administration, and virtual reality-based training platforms. Participants will have the opportunity to interact with prototype devices and discuss their potential applications and limitations.	From 1
Week 14	Final Exam	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Develop proficiency in conducting investigative procedures and techniques discussed in theoretical coursework. [1PLO 1] [1L7S1]	25%	Participation, Quizzes
Acquire specialized skills for patient assessment during the preoperative preparation phase. [1PLO 2] [1L7S2]	35%	Quizzes, Midterm exam
Participate in simulated scenarios resembling real-life settings to enhance practical learning experiences. [1PLO 4] [1L7C4]	40%	Final exam

Relationship to Program Student Outcomes (Out of 100%)					
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
25	35		40		

Relationship to NQF Outcomes (Out of 100%)		
L7S1	L7S2	L7C4
25	35	40

Evaluation	
Assessment Tool	Weight
Participation	10%
Quizzes	20%
Midterm exam	30%
Final exam	40%

## Policy

### Code of Conduct and Academic Integrity Guidelines

**Statement on Professionalism:** Professional behavior is expected of students at all times. Attitude and professional behavior are a minimum criterion for passing this class. Examples of unprofessional behavior include but are not limited to: missing classes, tardiness, lack of attention for a speaker, talking to others during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class.

**Cheating:** University regulations will be applied on cases of cheating and/or plagiarism

**Cell phone:** The use of cellular phone is prohibited in class rooms and during exams. The cellular phone must be switched off in class rooms and during exams.

**Attendance:** No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture sessions. It is imperative to attend all classes!

**Absences:** University regulations will be applied. Students are not allowed to be absent for more than 20% of lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details)

**Make-up Exam:** is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)

**Feedback:** Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours.

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