

COURSE INFORMATION					
Course Title	Code	Semester	Lecture+Practice+Application	Credits	ECTS
Introduction to Clinical Practice II	MED 202	Phase 2 / 3-4	5+18+12	5	5*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The students should have successfully completed ICP I.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory
Course Coordinator	Prof. Güldal İzbirak, ICP Coordinator Assist. Prof Tümay Sadıkoğlu, MD; Y. Duygu Altıparmak, MD, ICP Co-Coordinators
The instructors	Assist. Prof Tümay Sadıkoğlu, Y. Duygu Altıparmak, MD Assist. Prof. Gökhan Gencer Assist. Prof. Hande Candemir Assist. Prof. Cem Şimşek Assist. Prof. Alp Kayıran Assist. Prof. Ezgi Aytaç Ali Fuad Durusoy, MD Res. Assist. Abidin Yusuf Kavurmacı Res. Assist. Esra Bayar Res. Assist. Yunus Emre Vural Res. Assist. Fahrettin Atakan Gültekin Res. Assist. Rabia Sarıyıldız
Assistants	-
Goals	This course aims to equip the students with basic interventional skills (nasogastric tube and urinary catheter application; intramuscular, intradermal and subcutaneous injection, intravenous cannulation, intraarterial blood sampling).
Content	Intramuscular/ Intradermal/ Subcutan Injection IV Cannulation Nasogastric Tube Administration Intraarterial Blood Sampling Bladder Catheterization Early Clinical Experience

Learning Outcomes <i>At the end of this term, the student should be able to:</i>	Program Learning Outcomes	Teaching Methods	Assessment Methods
KNOWLEDGE			
1. count nasogastric probe types, application indications, contraindications and the steps in application procedure.	1.1.1, 1.1.7.	1,2,4,5,6,7	A
2. count urinary catheter types, application indications, contraindications and the steps in application.	1.1.1, 1.1.7.	1,2,4,5,6,7	A
3. count application indications, contraindications and the steps in application procedure of intramuscular, intradermal and subcutaneous injections as well as intravenous cannulation.	1.1.1, 1.1.7.	1,2,4,5,6,7	D
4. count application indications, contraindications and the steps in application procedure of intravenous injections and intravenous cannulation.	1.1.1, 1.1.7.	1,2,4,5,6,7	A
5. count application indications, contraindications and the steps in application procedure of intraarterial blood sampling	1.1.1, 1.1.7	1,2,4,5,6,7	A
SKILLS			
1. perform nasogastric probe application on an adult model in accordance with the skill procedure.	2.1.1. 2.4.3. 1.1.7.,3.2.2.	1,2,4,5,6,7	A,D
2. perform urinary catheter application in an adult woman and male model in accordance with the skill procedure.	2.1.1. 2.4.3. 1.1.7.,3.2.2.	1,2,4,5,6,7	D
3. perform intramuscular, intradermal and subcutaneous injection applications in an adult model in accordance with the skill procedure.	2.1.1. 2.4.3. 1.1.7.,3.2.2.	1,2,4,5,6,7	D
4. perform intravenous injection and intravenous cannulation applications in an adult model in accordance with the skill procedure.	2.1.1. 2.4.3. 1.1.7.,3.2.2.	1,2,4,5,6,7	D
5. perform intraarterial blood sampling in an adult model in accordance with the skill procedure.	2.1.1. 2.4.3. 1.1.7.,3.2.2.	1,2,4,5,6,7	D
6. describe the process to be carried out to the patient before any intervention	2.1.1. 2.1.2. 2.1.3.	1,2,4,5,6,7	D
ATTITUDE			
1. value the importance of informed consent	2.1.1. 2.1.2. 2.1.3. 2.5.3.	1,2,4,5,6,7	D
2. pay attention to patient privacy	2.1.1. 2.1.2. 2.1.3. 2.5.3.	1,2,4,5,6,7	D

3. value the importance of not exceeding the limits of his/her own competency level.	2.2.4. 2.1.4. 3.2.2.	1,2,4,5,6,7	D
4. pay attention to follow laboratory rules	3.1.3.	1,2,4,5,6,7	D
5. pay attention to keep patient records regularly and properly	2.3.1, 2.1.2.	1,2,4,5,6,7	D
6. apply hand hygiene before and after each procedure	1.1.7., 2.1.1	1,2,4,5,6,7	D
7. apply standard precaution before, during and after each procedure	1.1.7., 2.1.1	1,2,4,5,6,7	D

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 4:Standardized patient / Mannequin, 5: Video 6: Demonstration 7: Checklist
Assessment Methods:	A: Testing B: Presentation C: Homework D:OSCE

COURSE CONTENT				
Topics	Hour			Study Materials
	Theoretical	Practical	Application	
Intramuscular/ Intradermal/ Subcutan Injection	1	3		Materials for the course provided by the the instructor
IV Cannulation	1	3		Materials for the course provided by the instructor
Nasogastric Tube Administration	1	3		Materials for the course provided by the instructor
Intraarterial Blood Sampling	1	3		Materials for the course provided by the instructor
Bladder Catheterization	1	3		Materials for the course provided by the instructor
Early Clinical Experience			12	Materials for the course provided by the instructor

RECOMMENDED SOURCES	
Textbook	1-Bates (Shared)
Additional Resources	Checklists, powerpoint presntations, videos

ASSESSMENT		
Assessment Methods and Tools	Proportion (in Pass/Fail Decision)	Other Assessment Methods and Tools
OSCE (With Checklist)	(45% Midterm OSCE) +	
ECE(Homework report)	(45% Final OSCE)	
	10%	
Total	100%	Total
Pass/Fail Decision	Proportion (in Pass/Fail Decision)	Pass/Fail Decision
Total	%100	Total

MATERIAL SHARING	
Documents	Photocopy shareable.
Assignments	Not Shareable
Exams	Not shareable

COURSE CATEGORY	Expertise/Field Courses
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COURSES CONTRIBUTION TO PROGRAM					
COMPETENCE AREA-1 / Professional Practices	Contribution				
COMPETENCE 1.1. Health Service Provider	1	2	3	4	5
Competency 1.1.1. Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.					x
Competency 1.1.2. Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.					x
Competency 1.1.3. Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.					
Competency 1.1.4. Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.					x
Competency 1.1.5. Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.					

Competency 1.1.6. Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.					
Competency 1.1.7. Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.					x
Competency 1.1.8. Provides healthcare services considering patient and employee health and safety.					
Competency 1.1.9. Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.					
COMPETENCE AREA-2 / Professional Values and Approaches	Contribution				
COMPETENCE 2.1. Adopting Professional Ethics and Principles	1	2	3	4	5
Competency 2.1.1. Considers good medical practices while performing the profession.					x
Competency 2.1.2. Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.					x
Competency 2.1.3. Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.					
Competency 2.1.4. Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.					x
COMPETENCE 2.2. Health Advocate					
Competency 2.2.1. Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.					
Competency 2.2.2. Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.					
Competency 2.2.3. Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.					
Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.					x
COMPETENCE 2.3. Leader-Manager					
Competency 2.3.1. Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					x
Competency 2.3.2. Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.					
COMPETENCE 2.4. Team Member					
Competency 2.4.1. Communicates effectively within the healthcare team and takes on different team roles as necessary.					x
Competency 2.4.2. Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.					x
Competency 2.4.3. Works collaboratively and effectively with colleagues and other professional groups in professional practice.					x
COMPETENCE 2.5. Communicator					
Competency 2.5.1. Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.					
Competency 2.5.2. Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.					

Competency 2.5.3. Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.					x
COMPETENCE AREA-3 / Professional and Personal Development	Contribution				
COMPETENCE 3.1. Scientific and Analytical Approach	1	2	3	4	5
Competency 3.1.1. Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.					
Competency 3.1.2. Accesses and critically evaluates current literature related to their profession.					
Competency 3.1.3. Applies evidence-based medicine principles in the clinical decision-making process.				x	
Competency 3.1.4. Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.					
COMPETENCE 3.2. Lifelong Learner					
Competency 3.2.1. Manages effectively individual study processes and career development.					
Competency 3.2.2. Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.				x	
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.					

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity/ day	Duration (Hour)	Total Workload (Hour)
Course Duration (Full Term)	10	4	40
Hours for off-the-classroom study (Pre-study, practice, review/week)	40	2	80
Homework	1	8	8
Exam	2	4	8
Total Work Load			132
Total Work Load / 30 (h)			4.5
ECTS Credit of the Course			5