

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 Lecturer Burçin Tuvana Us, ICP Co-Coordinator Y. Duygu Altıparmak, MD, ICP Co-Coordinator
The instructors	Assist. Prof. Gökhan Gencer Assist. Prof. Hande Candemir Assist. Prof. Cem Şimşek Assist. Prof. Alp Kayıran Assist. Prof. Ezgi Aytaç Lecturer Burçin Tuvana Us 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 Res. Assist. Ayfer İskender
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.	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	A
2. count urinary catheter types, application indications, contraindications and the steps in application.	1.1.4.,1.1.5., 1.1.6.,	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.	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
4. count application indications, contraindications and the steps in application procedure of intravenous injections and intravenous cannulation.	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	A
5. count application indications, contraindications and the steps in application procedure of intraarterial blood sampling	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	A
SKILLS			
1. perform nasogastric probe application on an adult model in accordance with the skill procedure.	1.1.4.,1.1.5., 1.1.6.,	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.	1.1.4.,1.1.5., 1.1.6.,	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.	1.1.4.,1.1.5., 1.1.6.,	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.	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
5. perform intraarterial blood sampling in an adult model in accordance with the skill procedure.	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
6. describe the process to be carried out to the patient before any intervention	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
ATTITUDE			
1. value the importance of informed consent	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
2. pay attention to patient privacy	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D

3. value the importance of not exceeding the limits of his/her own competency level.	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
4. pay attention to follow laboratory rules	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
5. pay attention to keep patient records regularly and properly	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
6. apply hand hygiene before and after each procedure	1.1.4.,1.1.5., 1.1.6.,	1,2,4,5,6,7	D
7. apply standard precaution before, during and after each procedure	1.1.4.,1.1.5., 1.1.6.,	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) + (45% Final OSCE)	
ECE(Homework report)	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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COURSE'S CONTRIBUTION TO PROGRAM						
	PODG.1. Basic Professional Competencies	Contribution				
	POD.1.1. Clinical Competencies	1	2	3	4	5
PO.1.1.1.	values preventive health services, offers primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, provides consultancy on these issues.					
PO.1.1.2.	employs a patient-centered approach in patient management.					X
PO.1.1.3.	recognizes most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.		X			
PO.1.1.4.	takes medical history from the applicant himself/herself or from the individual's companions.					
PO.1.1.5.	does general and focused physical and mental examination.					
PO.1.1.6.	interprets findings in medical history, physical and mental examination.				X	
PO.1.1.7.	employs diagnostic procedures that are used frequently at the primary health care level.		X			

PO.1.1.8.	selects tests that have evidence-based high efficacy at the primary health care level and interprets results.					
PO.1.1.9.	makes clinical decisions using evidence-based systematic data in health care service.		X			
PO.1.1.10.	performs medical interventional procedures that are used frequently at the primary health care level.					
PO.1.1.11.	manages healthy individuals and patients in the context of health care services.					
PO.1.1.12.	keeps medical records in health care provision and uses information systems to that aim.					X
	POD.1.2. Competencies related to Communication					
PO.1.2.1.	throughout his/her career, communicates effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.			X		
PO.1.2.2.	collaborates as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.				X	
PO.1.2.3.	recognizes the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.				X	
PO.1.2.4.	communicates with all stakeholders taking into consideration the socio-cultural diversity.					X
	POD.1.3. Competencies Related to Leadership and Management					
PO.1.3.1.	manages and leads within the health care team in primary health care organization.					
PO.1.3.2.	recognizes the principles of health management and health sector economy, models of organization and financing of health care services.					
PO.1.3.3.	recognizes the resources in the health care service, the principles for cost-effective use.					
	POD.1.4. Competencies related to Health Advocacy					
PO.1.4.1.	recognizes the health status of the individual and the community and the factors affecting the health, implements the necessary measures to prevent effects of these factors on the health.					
PO.1.4.2.	recognizes and manages the health determinants including conditions that prevent access to health care.					
	POD.1.5. Competencies related to Research					
PO.1.5.1.	develops, prepares and presents research projects					
	POD.1.6. Competencies related to Health Education and Counseling					
PO.1.6.1.	provides consultancy services and organizes health education for the community to sustain and promote the health of individual and community.					
	PODG.2. Professional Values and Perspectives					
	POD.2.1. Competencies related to Law and Legal Regulations					
PO.2.1.1.	performs medical practices in accordance with the legal framework which regulates the primary health care service.					X
	POD.2.2. Competencies Related to Ethical Aspects of Medicine					
PO.2.2.1.	recognizes basic ethical principles completely, and distinguishes ethical and legal problems.					X

PO.2.2.2.	<i>pays importance to</i> the rights of patient, patient's relatives and physicians, and <i>provides</i> services in this context.							X
POD.2.3. Competencies Related to Social and Behavioral Sciences								
PO.2.3.1.	<i>relates</i> historical, anthropological and philosophical evolution of medicine, with the current medical practice.							
PO.2.3.2.	<i>recognizes</i> the individual's behavior and attitudes and factors that determine the social dynamics of the community.							
POD.2.4. Competencies Related to Social Awareness and Participation								
PO.2.4.1.	<i>leads</i> community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, <i>develops</i> projects directed towards health care services.							
POD.2.5. Competencies Related to Professional Attitudes and Behaviors								
PO.2.5.1.	<i>displays</i> a patient-centered and holistic (biopsychosocial) approach to patients and their problems.							
PO.2.5.2.	<i>respects</i> patients, colleagues and all stakeholders in health care delivery.			X				
PO.2.5.3.	<i>displays</i> the proper behavior in case of disadvantaged groups and situations in the community.							
PO.2.5.4.	<i>takes</i> responsibility for the development of patient safety and healthcare quality.							
PO.2.5.5.	<i>evaluates</i> own performance as open to criticism, <i>realizes</i> the qualifications and limitations.							
PODG.3. Professional Development and Self-Worth								
PODG.3.1. Personal Development and Values								
PO.3.1.1.	<i>embraces</i> the importance of lifelong self-learning and <i>implements</i> .							
PO.3.1.2.	<i>embraces</i> the importance of updating knowledge and skills; <i>searches</i> current advancements and <i>improves</i> own knowledge and skills.							
PO.3.1.3.	<i>uses</i> English language at least at a level adequate to follow the international literature and to establish communication related to the profession.							
POD.3.2. Competencies Related to Career Management								
PO.3.2.1.	<i>recognizes</i> and <i>investigates</i> postgraduate work domains and job opportunities.							
PO.3.2.2.	<i>recognizes</i> the application requirements to postgraduate work/job domains, and <i>distinguishes</i> and <i>plans</i> any requirement for further training and work experience.							
PO.3.2.3.	<i>prepares</i> a resume, and <i>recognizes</i> job interview methods.							
POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health								
PO.3.3.1.	<i>implements</i> the rules of healthy living.							
PO.3.3.2.	<i>displays</i> appropriate behavior specific to work under stressful conditions.							
PO.3.3.3.	<i>uses</i> self-motivation factors.							

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