

Pharmacy

Bachelor

TR-NQF-HE: Level 7

QF-EHEA: Second Cycle

EQF-LLL: Level 7

## General course introduction information

Course Code:	ITRD305			
Course Name:	International Trade Indicators			
Course Semester:	Fall			
Course Credits:	Theoretical	Practical	Credit	ECTS
			3	6
Language of instruction:	EN			
Course Requisites:				
Does the Course Require Work Experience?:	No			
Type of course:	University Elective			
Course Level:	Bachelor	TR-NQF-HE:7. Master`s Degree	QF- EHEA:Second Cycle	EQF-LLL:7. Master`s Degree
Mode of Delivery:				
Course Coordinator :	Öğr.Gör. ATEŞ EROL			
Course Lecturer(s):	Öğr.Gör. ATEŞ EROL Dr.Öğr.Üyesi AYŞE NUR TOPÇUOĞLU			
Course Assistants:				

## Course Objective and Content

Course Objectives:	
Course Content:	

## Learning Outcomes

The students who have succeeded in this course;

Learning Outcomes

**1 - Knowledge**

Theoretical - Conceptual

**2 - Skills**

Cognitive - Practical

**3 - Competences**

Communication and Social Competence

Learning Competence

1) To learn the ability to analyse economies based on indicators and derive sociographic results related to international trade

2) To familiarize different ideas & models for international trade

3) To learn the history and roadmap of international trade since its conception

4) To harness a broad understanding trade indicators and their purpose

Field Specific Competence

Competence to Work Independently and Take Responsibility

**Lesson Plan**

Week	Subject	Related Preparation
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**Sources**

Course Notes / Textbooks:	
References:	

**Course-Program Learning Outcome Relationship**

Learning Outcomes	1	2	3	4
Program Outcomes				

Learning Outcomes	1	2	3	4
1) Knowledge and skills acquired by completing the pharmacy undergraduate program in all areas of practice in accordance with current laws and regulations, professional core values and deontological principles.				
2) It combines the concepts and applications of basic science, medicine and health sciences with the pharmacy profession and related practices and uses them in the field of pharmacy.				
3) Has strong communication and works together with national and international legal authorities, professional organizations, the pharmaceutical industry and other stakeholders on issues related to health in order to protect and improve the quality of life of society.				
4) Has knowledge and application skills in the design and development of new drug molecules, basic principles, chemical structures of drug active ingredients, synthesis and analysis, mechanisms of action, structure-activity relationships, therapeutic dose determination, toxicological, pharmacokinetic, pharmacodynamic properties and side effects.				
5) Knows the classification of natural products that can be drug raw materials and the isolation, purification, structure determination, analysis, pharmacological and toxicological effects of active compounds based on these sources.				
6) Has knowledge and application skills in pre-formulation, formulation, laboratory, pilot and industrial scale production, quality assurance, stability, storage, bioavailability, bioequivalence, licensing processes and patent studies of natural, synthetic and biological pharmaceutical, biotechnological, nanotechnological, cosmetic, phytotherapeutic, radiopharmaceutical products. Has knowledge in the classification, areas of use and legal regulations of medical devices.				
7) Has sufficient knowledge about the preparation of magistral drugs, the use and legislation of all original or generic preparations and medical products.				
8) Has theoretical knowledge and application skills in basic instrumental and advanced analytical methods for pharmacy education, qualitative and quantitative analysis, analytical method development and validation. Performs qualitative and quantitative analyses on synthetic and natural drugs and biological materials, and evaluates the results.				
9) Knows the biopharmaceutical and pharmacokinetic properties, pharmacodynamic and toxicological effects of drugs. Has knowledge about drug interactions and incompatibilities, monitoring and prevention of adverse drug reactions, and drug use in risk groups.				
10) Has knowledge and application skills in patient-centered and pharmaceutical care, clinical pharmacy, pharmacotherapy, pharmacovigilance and phytotherapy within the				

framework of rational drug use.	1	2	3	4
<b>Learning Outcomes</b>				
11) Provides education, information and consultancy services in the field of pharmacy to patients and their relatives, colleagues, other healthcare personnel, relevant units in institutions and the community with effective communication skills using current and evidence-based data and information sources. Takes responsibility and duties in clinical and non-interventional research.				
12) Has knowledge of community and hospital pharmacy management, health policies and health economics, reimbursement, ethics, personalized drugs and bioinformatics.				
13) Follows national/international historical and current developments in the field of pharmacy using technological tools, pharmacopoeias, databases and information sources, evaluates scientific and evidence-based data. Embraces lifelong learning. Has foreign language skills to follow developments related to the profession.				

### Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Low	3 Average	4 High	5 Highest

	Program Outcomes	Level of Contribution
1)	Uses the knowledge and skills acquired by completing the pharmacy undergraduate program in all areas of practice in accordance with current laws and regulations, professional core values and deontological principles.	
2)	It combines the concepts and applications of basic science, medicine and health sciences with the pharmacy profession and related practices and uses them in the field of pharmacy.	
3)	Has strong communication and works together with national and international legal authorities, professional organizations, the pharmaceutical industry and other stakeholders on issues related to health in order to protect and improve the quality of life of society.	
4)	Has knowledge and application skills in the design and development of new drug molecules, basic principles, chemical structures of drug active ingredients, synthesis and analysis, mechanisms of action, structure-activity relationships, therapeutic dose determination, toxicological, pharmacokinetic, pharmacodynamic properties and side effects.	
5)	Knows the classification of natural products that can be drug raw materials and the isolation, purification, structure determination, analysis, pharmacological and toxicological	

	effects of active compounds based on these sources.	
6)	Has knowledge and application skills in pre-formulation, formulation, laboratory, pilot and industrial scale production, quality assurance, stability, storage, bioavailability, bioequivalence, licensing processes and patent studies of natural, synthetic and biological pharmaceutical, biotechnological, nanotechnological, cosmetic, phytotherapeutic, radiopharmaceutical products. Has knowledge in the classification, areas of use and legal regulations of medical devices.	
7)	Has sufficient knowledge about the preparation of magistral drugs, the use and legislation of all original or generic preparations and medical products.	
8)	Has theoretical knowledge and application skills in basic instrumental and advanced analytical methods for pharmacy education, qualitative and quantitative analysis, analytical method development and validation. Performs qualitative and quantitative analyses on synthetic and natural drugs and biological materials, and evaluates the results.	
9)	Knows the biopharmaceutical and pharmacokinetic properties, pharmacodynamic and toxicological effects of drugs. Has knowledge about drug interactions and incompatibilities, monitoring and prevention of adverse drug reactions, and drug use in risk groups.	
10)	Has knowledge and application skills in patient-centered and pharmaceutical care, clinical pharmacy, pharmacotherapy, pharmacovigilance and phytotherapy within the framework of rational drug use.	
11)	Provides education, information and consultancy services in the field of pharmacy to patients and their relatives, colleagues, other healthcare personnel, relevant units in institutions and the community with effective communication skills using current and evidence-based data and information sources. Takes responsibility and duties in clinical and non-interventional research.	
12)	Has knowledge of community and hospital pharmacy management, health policies and health economics, reimbursement, ethics, personalized drugs and bioinformatics.	
13)	Follows national/international historical and current developments in the field of pharmacy using technological tools, pharmacopoeias, databases and information sources, evaluates scientific and evidence-based data. Embraces lifelong learning. Has foreign language skills to follow developments related to the profession.	

## Learning Activity and Teaching Methods

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## Assessment & Grading Methods and Criteria

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## Assessment & Grading

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Semester Requirements	Number of Activities	Level of Contribution
<b>total</b>		%
PERCENTAGE OF SEMESTER WORK		% 0
PERCENTAGE OF FINAL WORK		%
<b>total</b>		%