

Vocational School / Medical Documentation and Secretariat

2022 - 2023 Academic Year

CURRENT CHEMICALS & DRUGS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CURRENT CHEMICALS & DRUGS	TDS1211250	Spring Semester	2+0	2	2
Prerequisites Courses					
Recommended Elective Courses	NO				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Ümit Can ERİM				
Name of Lecturer(s)	Assist.Prof. Ümit Can ERİM				
Assistant(s)					
Aim	Is given information on changed the history of huminity of science in health science and chemistry some of drug, biological molecules, chemical products, selected like product's discoveries and properties, significance and functions of them.				
Course Content	This course contains; 1. Significants of atoms, molecules, synthesis and chemicals of our life.,2. Uric acid, acetic acid, glucose, aspirin, camphor, terpineol, tropinon.,3. Heamin, quinin, morphin.,4. Steroides and contraception,5. Strychnine, penicillin, antibiotics I,,6. Antibiotics II.,7. Prostaglandines,leukotrienes, analgesics,8. Vitamines, nutritional suplaments.,9. Phytotherapeutics,10. Central Nervous System depressants, stimulants and dependency.,11. Taxol, amphotericin, cyclosporine, oncologic drugs.,12. Nucleic acids and enzymes.,13. Presentation.,14. Presentation..				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Express the importance and functions of chemicals in all aspects of life.			1, 12, 2	A	
2. Recognize the chemical structures that are used in his/her professional field.			1, 12, 2	A	
3. Name the chemical structures.			1, 2, 3	A	
Teaching Methods	1: Lecture, 12: Case study, 2: Question - Answer, 3: Discussion				
Assessment Methods	A: Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	1. Significants of atoms, molecules, synthesis and chemicals of our life.	presentations			
2	2. Uric acid, acetic acid, glucose, aspirin, camphor, terpineol, tropinon.	presentations			
3	3. Heamin, quinin, morphin.	presentations			
4	4. Steroides and contraception	presentations			
5	5. Strychnine, penicillin, antibiotics I,	presentations			
6	6. Antibiotics II.	presentations			
7	7. Prostaglandines,leukotrienes, analgesics	presentations			
8	8. Vitamines, nutritional suplaments.	presentations			
9	9. Phytotherapeutics	presentations			
10	10. Central Nervous System depressants, stimulants and dependency.	presentations			
11	11. Taxol, amphotericin, cyclosporine, oncologic drugs.	presentations			
12	12. Nucleic acids and enzymes.	presentations			
13	13. Presentation.	presentations			
14	14. Presentation.	presentations			
Evaluation Methods			Weight(%)		
Midterm Exam			40		
General Exam			60		
Resources					
Powerpoint notes will be given to students.Molecules That Changed The World, K. C. Nicolaou, T. Montagnon, Wiley Publications, 2008					