Dentistry (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	UNI241
Course Name:	Assistive Technology
Semester:	Spring
Course Credits:	ECTS 5
Language of instruction:	English
Course Condition:	
Does the Course Require Work Experience?:	No
Type of course:	University Elective
Course Level:	Bachelor / TR-NQF-HE:6. Master`s Degree / QF-EHEA:First Cycle / EQF-LLL:6. Master`s Degree
Mode of Delivery:	E-Learning
Course Coordinator:	Öğr. Gör. PINAR VAN DER VEER III
Course Lecturer(s):	Inst. Pınar VAN DER VEER III
Course Assistants:	

Course Objective and Content

Course Objectives:	This course aims to present the knowledge and decision making skills to the students on the assistive technology needs of the people with disabilities.
Course Content:	Introducing technological assistive devices designed to enable people with physical disabilities to perform their daily life, occupational and social activities due to systemic diseases, accidents, post-operative or congenital reasons.

Learning Outcomes

The students who have succeeded in this course;

1) The students are to learn the principle concepts on assistive technology, the ways to support people with disabilities in the concept of rehabilitation engineering in house, society, school or work places to upgrade their functional and cognitive skills. This course aims to present the knowledge and decision making skills to the students on the assistive technology needs of the people with disabilities.

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to assistive technology	
2)	Assistive Technology for Positioning, Sitting and Mobility	
3)	Exoskeletons	
4)	Rehabilitation Robots	
5)	Visual aids for visual impaired people	
6)	Hearing aids for hearing impaired people	
7)	Midterm Exam	
8)	Reading aids	
9)	Augmentative communication with computer and software technology	
10)	Computer accessibility tools, sensory aids, mobile devices, activity monitoring	
11)	Physical Education, Leisure, and Play assistive technology	
12)	Smart houses	
13)	Project developments and presentations	
14)	Project developments and presentations	

Sources

Course Notes / Textbooks:	1. Lesson Presentations 2. Assistive Technology in Special Education: Resources to Support Literacy, Communication, and Learning Differences by Joan L. Green (Author) 3rd Edition
References:	1. Lesson Presentations 2. Assistive Technology in Special Education: Resources to Support Literacy, Communication, and Learning Differences by Joan L. Green (Author) 3rd Edition

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1
Program Outcomes	
1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4) Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5) Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	
6) Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7) Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
8) Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.	
9) By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.	
10) During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.	
11) Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.	
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	
13) Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.	

Course Learning Outcomes 14) Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	1
15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
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13)	Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.
14)	Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.
15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Presentation	6	% 10
Midterms	1	% 40
Final	1	% 60
total		**% 110**
PERCENTAGE OF SEMESTER WORK		% 50
PERCENTAGE OF FINAL WORK		% 60
total		**% 110**

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Course Hours	13	39
Study Hours Out of Class	16	80
Quizzes	2	2

| Total Workload | 121 |