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| Dentistry | | | |
| Bachelor | TR-NQF-HE: Level 6 | QF-EHEA: First Cycle | EQF-LLL: Level 6 |

Course Introduction and Application Information

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| Course Code: | UNI208 | | |
| Course Name: | Climate and Action Change | | |
| Semester: | Spring | | |
| Course Credits: | <div>ECTS</div> <div>5</div> | | |
| Language of instruction: | Turkish | | |
| Course Condition: | | | |
| Does the Course Require Work Experience?: | No | | |
| Type of course: | University Elective | | |
| Course Level: | <div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF- EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div> | | |
| Mode of Delivery: | E-Learning | | |
| Course Coordinator: | Dr. Öğr. Üy. MUSTAFA AYTEKİN | | |
| Course Lecturer(s): | Mustafa Aytekin | | |
| Course Assistants: | | | |

Course Objective and Content

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| Course Objectives: | In this course, it is aimed to examine and understand the basic issues related to the environment and climate change by comparing them with current events and to make them interested in the student's own academic programs. |
| Course Content: | The course on Environment and Climate Change has increasingly begun to affect our daily lives and the society we live in. Throughout the course, general information about climate change and |

related international organizations will be introduced. Additionally, ecosystems and the services they provide will be examined alongside the effects of global climate change. The benefits provided by natural ecosystems will be analyzed in an integrated manner with environmental and climate change issues. In addition to the global situation regarding these topics, current developments in Turkey and Istanbul will also be studied.

Learning Outcomes

The students who have succeeded in this course;

- 1) Basic and up-to-date information about climate change will be learned.
- 2) International organizations and their work on climate change will be examined.
- 3) The two key concepts of climate change, mitigation and adaptation processes, will be learned.
- 4) Adaptation and mitigation to climate change will be examined from a nature-based approach perspective.
- 5) Ecosystem services and their benefits related to climate change will be evaluated.
- 6) The impacts of urban green space applications on climate change will be learned.
- 7) The fundamental elements of the environment will be understood and explained in terms of their importance for daily life and the future, both on an individual and societal level.
- 8) Approaches to environmental and climate change at the global and local levels will be explained.
- 9) The relationship between sustainable development and environmental and climate change will be explained.

Course Flow Plan

| Week | Subject | Related Preparation |
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| 1) | Introduction to the Course and Overview of Climate Change | To be given in class |
| 2) | Climate Change and Greenhouse Gases | To be given in class |
| 3) | Climate Change Adaptation and Mitigation 1 | To be given in class |
| 4) | Climate Change Adaptation and Mitigation 2 | To be given in class |
| 5) | Ecosystem and Ecosystem Services 1 | To be given in class |
| 6) | Ecosystem and Ecosystem Services 2 | To be given in class |
| 7) | Ecology and Current Environmental Problems 1 | To be given in class |
| 8) | Current Environmental Problems 2 | To be given in class |
| 9) | Land Use and Environmental Problems in the Context of Climate Change | To be given in class |
| 10) | Sustainable Development Goals (SDGs) | To be given in class |
| 11) | Environment, Climate Change and Nature-Based Solutions | To be given in class |
| 12) | Turkey's Climate and Environmental Policies 1 | To be given in class |
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| patient, and recommends the most appropriate treatment with a patient-centered approach. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 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. | | | | | | | | | |
| 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. | | | | | | | | | |

Course - Learning Outcome Relationship

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| No Effect | 1 Lowest | 2 Average | 3 Highest |
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| | Program Outcomes | Level of Contribution |
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| 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. | |
| 14) | Differentiates the signs and symptoms commonly encountered in the dentistry profession, | |

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| | 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 |
|-----------------------------|----------------------|-----------------------|
| Midterms | 1 | % 40 |
| Final | 1 | % 60 |
| total | | % 100 |
| PERCENTAGE OF SEMESTER WORK | | % 40 |
| PERCENTAGE OF FINAL WORK | | % 60 |
| total | | % 100 |

Workload and ECTS Credit Calculation

| Activities | Number of Activities | Workload |
|--------------------------|----------------------|------------|
| Course Hours | 15 | 45 |
| Study Hours Out of Class | 15 | 30 |
| Midterms | 3 | 21 |
| Final | 3 | 22 |
| Total Workload | | 118 |