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

Course Introduction and Application Information

| Course Code: | DENT325 | DENT325 | | | | | | | | | | | |
|-------------------------------------------|--------------|---------------------------------|----------------------------|-------------------------------|--|--|--|--|--|--|--|--|--|
| Course Name: | Oral & Maxi | llofacial Surgery Preclini | с | | | | | | | | | | |
| Semester: | Fall | | | | | | | | | | | | |
| Course Credits: | ECTS | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Language of instruction: | English | English | | | | | | | | | | | |
| Course Condition: | | | | | | | | | | | | | |
| Does the Course Require Work Experience?: | No | | | | | | | | | | | | |
| Type of course: | Compulsory | v Courses | | | | | | | | | | | |
| Course Level: | Bachelor | TR-NQF-HE:6. Master`s Degree | QF- EHEA:First Cycle | EQF-LLL:6. Master`s Degree | | | | | | | | | |
| Mode of Delivery: | Face to face | 9 | | | | | | | | | | | |
| Course Coordinator: | Dr. Öğr. Üy | . ELİF ÖZÇELİK | | | | | | | | | | | |
| Course Lecturer(s): | Ipek Necla | Güldiken, Kerem Dedeoğ | ýlu | | | | | | | | | | |
| Course Assistants: | | | | | | | | | | | | | |

Course Objective and Content

CourseThe objective of the "Pre-clinical Oral Surgery Training" course is to equip students withObjectives:fundamental hands-on skills and knowledge pertaining to oral surgical procedures. Through
simulated practice on phantom heads, students are prepared for real-life surgical situations,
ensuring they become proficient in basic techniques and can safely manage potential
complications.

| Course | The "Pre-clinical Oral Surgery Training" course immerses students in the essential techniques of |
|----------|--------------------------------------------------------------------------------------------------|
| Content: | oral surgery through hands-on practice using phantom heads. The curriculum covers foundational |
| | surgical instrument handling, tooth extraction techniques, suturing methods, management of |
| | orofacial pathologies, and post-operative care. The course culminates with a practical |
| | examination, ensuring students are well-prepared for real-life oral surgical procedures. |

Learning Outcomes

The students who have succeeded in this course;

1) Familiarizing students with the pre-clinical setup, equipment, and the importance of phantom head practice

2) Teaching students the correct methods of handling and manipulating surgical instruments in a controlled environment

3) Providing hands-on experience on tooth extraction techniques

- 4) Instructing students on various suturing techniques in a simulated environment
- 5) Simulating the process of diagnosing and treating impacted teeth
- 6) Training students on the simulated management of orofacial infections
- 7) Allowing students to practice biopsy techniques safely
- 8) Simulating the administration of local anesthesia, emphasizing safety and efficiency
- 9) Giving an overview of more advanced procedures they will encounter in future studies
- 10) Simulating scenarios of maxillofacial trauma and its management
- 11) Introducing students to the diagnosis and basic management of oral pathologies using simulation
- 12) Educating students on the essential care procedures following oral surgical operations
- 13) Preparing students to recognize, prevent, and manage potential complications in oral surgery through simulation

14) Reviewing the skills acquired during the course, address any questions, and provide feedback to students for improvement

15) Assessing students' hands-on skills and competencies acquired during the semester

Course Flow Plan

| Week | Subject | Related Preparation |
|------|----------------------------------------------------------|---------------------|
| 1) | Introduction to Phantom Heads and Pre-clinical Practice | textbooks |
| 2) | Basic Surgical Instrument Handling on Phantom | |
| 3) | Tooth Extractions on Phantom Models | |
| 4) | Suturing Techniques on Phantom | |
| 5) | Management of Impacted Teeth: Simulation | |
| 5) | Management of Impacted Teeth: Simulation | |
| 6) | Orofacial Infections: Diagnosis and Treatment Simulation | |
| 7) | Biopsy Techniques on Phantom Heads | |

| 8) | Local Anesthesia Techniques: Simulation | |
|-----|----------------------------------------------------------------------------|--|
| 9) | Maxillofacial Trauma: Diagnostic and Treatment Simulation | |
| 10) | Cysts and Tumors of the Oral Cavity: Diagnosis and Intervention on Phantom | |
| 11) | Post-operative Care and Management in Oral Surgery / | |
| 12) | Complications in Oral Surgery: Simulation and Management | |
| 13) | Assessment and Feedback Session | |
| 14) | Assessment and Feedback Session | |
| 15) | Practical Examination on Phantom Head | |

Sources

| Course Notes / Textbooks: | -Oral Surgery for Dental Students A Quick Reference Guide |
|------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | Jeffrey A. Elo, Alan S. Herford |
| | -Fonseca RJ Marciani RD Turvey TA. Oral and Maxillofacial Surgery. 2nd ed. St. Louis Mo: Saunders/Elsevier; 2009. |
| References: | -Oral Surgery for Dental Students A Quick Reference Guide |
| | Jeffrey A. Elo, Alan S. Herford |
| | -Fonseca RJ Marciani RD Turvey TA. Oral and Maxillofacial Surgery. 2nd ed. St. Louis Mo: Saunders/Elsevier; 2009. |

Course - Program Learning Outcome Relationship

| Course Learning Outcomes | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 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. Course Learning | | | | | | | | | | | | | | | |
|-------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Outcomes 2) Knows well and | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| effectively uses devices, | | | | | | | | | | | | | | | |
| tools, and materials | | | | | | | | | | | | | | | |
| specific to diagnosis and | | | | | | | | | | | | | | | |
| treatment in the field of | | | | | | | | | | | | | | | |
| dentistry. | | | | | | | | | | | | | | | |
| 3) Evaluates the | | | | | | | | | | | | | | | |
| knowledge in the field of | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | |
| other health disciplines | | | | | | | | | | | | | | | |
| takes part as a member of | | | | | | | | | | | | | | | |
| the research team and | | | | | | | | | | | | | | | |
| evaluates and reports the | | | | | | | | | | | | | | | |
| results obtained at a | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 5) Uses information that | | | | | | | | | | | | | | | |
| dentistry profession | | | | | | | | | | | | | | | |
| during practice, takes | | | | | | | | | | | | | | | |
| responsibility, and | | | | | | | | | | | | | | | |
| produces solutions in | | | | | | | | | | | | | | | |
| unforeseen situations. | | | | | | | | | | | | | | | |
| 6) Shares, compares, and | | | | | | | | | | | | | | | |
| exchanges dental | | | | | | | | | | | | | | | |
| professional colleagues in | | | | | | | | | | | | | | | |
| social and scientific | | | | | | | | | | | | | | | |
| environments in written, | | | | | | | | | | | | | | | |
| verbal, and visual forms. | | | | | | | | | | | | | | | |
| 7) Within the framework | | | | | | | | | | | | | | | |
| of social, scientific, and | | | | | | | | | | | | | | | |

| ethical values including Course Learning Deficient may acy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient- centered approach. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 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 Course Learning Otherahyslues and | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 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

| No E | ffect | 1 Lowest | 2 Average | 3 Highest | | | | | | | | |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |
| | Program Outcome | S | | | 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 know of disciplines in the | wledge in the field of dentistr e field of health, uses it by ar | y critically, integrates it with the nalyzing and synthesizing it. | e knowledge | | | | | | | | |
| 4) | Produces projects takes part as a me obtained at a scien | related to the field of dentist mber of the research team a ntific level. | ry, can work with other health o and evaluates and reports the r | lisciplines, esults | | | | | | | | |
| 5) | Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations. | | | | | | | | | | | |
| 6) | Shares, compares, social and scientific | , and exchanges dental know c environments in written, ve | vledge with professional collea rbal, and visual forms. | gues in | | | | | | | | |
| 7) | Within the framework communicates with and recommends t | ork of social, scientific, and e n patients and their relatives, he most appropriate treatme | ethical values including patient knows all the characteristics c ent with a patient-centered appr | privacy, If the patient, roach. | | | | | | | | |
| 8) | Follows technologi shares and presen dental practices. | cal developments, participat ts own observations, experie | es in national and international ences, and research to further a | studies, and advance | | | | | | | | |
| 9) | By adopting the pri current evidence-b | inciple of lifelong learning the ased dental knowledge and | roughout the dentistry profession uses it during his professional | on, follows 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 cu the benefit of socie | rrent knowledge in the field o ety within the framework of n | of dentistry during professional ational values and country real | practice for ities. | | | | | | | | |
| 12) | In natural disasters | s and emergency cases, take | es the protective measures req | uired 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. | |

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 | Preparation for the Activity | Spent for the Activity Itself | Completing the Activity Requirements | Workload |
|----------------|-------------------------|------------------------------|----------------------------------|-----------------------------------------|----------|
| Laboratory | 39 | 0 | 1 | | 39 |
| Midterms | 1 | 0 | 1 | | 1 |
| Final | 1 | 0 | 1 | | 1 |
| Total Workload | | | | | 41 |