COURSE DATA

DATA SUBJECT

Code: 34717
Name: Dental prosthesis II
Cycle: Undergraduate Studies
ECTS Credits: 12
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Facultat de Medicina i Odontologia	4	Annual

SUBJECT-MATTER

Degree	Subject-matter	Character
1206 - Degree in Dentistry	Dental prostheses	COMPULSORY

COORDINATION

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SUMMARY

The subject *Dental Prosthetics II* addresses the knowledge and practice of rehabilitating partial edentulism through fixed restorations custom-made in the prosthetics laboratory, whether retained or bonded to remaining teeth. It also focuses on the functional and aesthetic restoration of teeth with significant tissue loss through ceramic restorations.

With the incorporation of implants as a common part of dental treatments, this subject also includes the fundamentals and clinical procedures of fixed prostheses on implants, thereby broadening the range of students¿ clinical competencies.

The close relationship between theoretical teaching and practical training is essential for students to acquire the necessary skills that enable them to perform these treatments on patients safely and with clinical judgment.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

1206 - Degree in Dentistry
Obligation to have previously passed the subject(s) 34716 - Dental prosthesis I

OTHER REQUIREMENTS

COMPETENCES / LEARNING OUTCOMES

1206 - Degree in Dentistry

Adquirir experiencia clínica bajo la adecuada supervisión.

Elaborar las prescripciones de los productos sanitarios a medida «prótesis dentales» y «aparatos de ortodoncia y ortopedia dento-facial».

Manejar, discriminar y seleccionar los materiales e instrumentos adecuados en odontología.

Realizar modelos diagnósticos, montarlos y tomar registros inter-oclusales.

Realizar procedimientos estéticos convencionales desde una perspectiva multidisciplinar.

Realizar tratamiento no quirúrgico de los desórdenes témporo-mandibulares y dolor oro-facial.

Tratar el edentulismo tanto parcial como total, incluidos el diseño biológico (características específicas de diseño), preparación dentaria, obtención de registros, pruebas clínicas y adaptación a los pacientes de prótesis removibles parciales y completas, puentes sencillos dento-soportados y prótesis sencillas sobre implantes, tanto removibles como fijas, incluyendo su «colocación» y «puesta en servicio»,

DESCRIPTION OF CONTENTS

Theoretical classes:

T1: Concept in fixed prosthodontics and general principles of tooth preparation.

T2: Marginal fit. Finish lines.

T3: Monolithic crown and veneer crown.

T4: Metal-ceramic crown and all-ceramic crown.

T5: Preparation of porcelain laminate veneers.

T6: Inlays I.

T7: Inlays II.

T8: Post and core.

T9: Periodontal foundations in fixed prosthodontics.

T10: Biologically oriented preparations I.

T11: Biologically oriented preparations II.

T12: Pontics in fixed prosthodontics.

T13: Temporary protection of abutments.

T14: Gingival retraction.

T15: Impressions in fixed prosthodontics I.

T16: Impressions in fixed prosthodontics II.

T17: The prosthetic laboratory I.

T18: The prosthetic laboratory II.

T19: The prosthetic laboratory III (CAD-CAM).

T20: Dental ceramics I.

T21: Dental ceramics II.

T22: Dental ceramics III.

T23: Dental ceramics IV.

T24: Clinical try-in of restorations.

T25: Occlusion in fixed prosthodontics.

T26: Clinical sessions in fixed prosthodontics.

T27: Characteristics of dental cements.

T28: Cementation in fixed prosthodontics.

T29: Aesthetic analysis in fixed prosthodontics.

T30: Fundamentals of color.

T31: Digital Smile Design (DSD) analysis.

T32: Implant-supported prostheses I.

T33: Implant-supported prostheses II.

T34: Diagnosis I.

T35: Diagnosis II.

T36: Diagnosis III.

T37: Combined prostheses I.

T38: Combined prostheses II.

T39: Implant impressions.

T40: Hybrid prosthesis.

T41: Implant-supported overdentures.

T42: Occlusion in implants.

T43: Porcelain laminate veneers I.

T44: Porcelain laminate veneers II.

T45: Bruxism.

T46: Craniomandibular dysfunction.

T47: Occlusal splints.

T48: Oral rehabilitation.

T49: Adhesive fixed partial dentures.

T50: Failures in fixed prosthodontics.

T51: DAM I.

T52: DAM II.

Preclinical practices:

Practice Nº1: introduction and review of the material
Practices Nº 2 and 3: preparation of monolithic crowns
Practice Nº 4: preparation of veneer crowns
Practices Nº 5 and 6: preparation of ceramometallic crowns
Practices Nº. 7 and 8: preparation of complete ceramic crowns
Practice Nº 9: biologically oriented preparation, BOPT
Practice Nº 10: preparation of ceramic laminate fronts
Practice Nº. 11: preparation of ceramic inlays
Practice Nº. 12: retraction threads and impressions
Practice Nº. 13: provisional restorations
Practice Nº. 14: cementing
Practice Nº. 15: color selection
Practice Nº. 16: implant-supported prosthesis
Practice Nº 17 and 18: carvings in the Advanced Simulation Center and recovery of carvings

Seminars:

S1: Digital Smile Design (DSD) analysis.

S2: Diagnosis in fixed prosthodontics.

S3: BOPT on implants.

S4: Implant planning.

S5: Adhesion.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	54,00
Odontology practices	50,00
Laboratory	62,00
Classroom practices	14,00
Total hours	**180,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	10,00
Individual or group project	20,00
Independent study and work	80,00
Preparation of lessons	5,00
Preparation for assessment activities	1,00
Resolution of case studies	4,00
Total hours	**120,00**

TEACHING METHODOLOGY

Teaching is structured around theoretical lessons, which provide the foundation for independent study, the search for bibliographic information, and integration with practical content. These theoretical classes will be held in the basement of Aulari III, in classroom SC2, following the schedules established in the academic calendar. Seminars will take place in the same classrooms or in other campus facilities, depending on availability.

Learning is completed through:

- **Preclinical and clinical practice sessions**, which will take place on the second floor of the Dental Clinic Building and in the Advanced Simulation Center, where students will develop manual and technical skills on models and patients.

- **Group work**, which will include the resolution and presentation of a clinical case, as well as the critical discussion of current scientific articles.

- **Use of the Practical Teaching Guide Book**, which will serve as support material and as a tool for continuous assessment, detailing clinical procedures and execution protocols.

A gender perspective, respect for diversity, and the Sustainable Development Goals (SDGs) will be incorporated into teaching whenever possible.

EVALUATION

In this subject, the evaluation of student learning will be carried out with the following elements:

Midterm exam:
It will be held during the exam period corresponding to the first semester. It will consist of a theoretical test with 10 short-answer questions covering the content taught during the first semester. This test will exempt students from that part of the subject in the June session if the score exceeds 7 out of a maximum of 10.

Preclinical practical exam:
It will be held at the end of the preclinical practice period. It will consist of a global assessment of the work carried out plus a practical test consisting of a tooth preparation within a limited time. Students who pass this test will move on to clinical practice as main operators; those who do not pass will participate as assistants. In no case does failing this test mean failing the course.

Final exam:

- **Theoretical evaluation:** it will consist of a theoretical test with 10 short-answer questions covering the subject program. There will be one test for each semester except for students who have already been exempted from the first semester content.

- Each of the theoretical semester exams in the June session must score above 5; otherwise, in the July session, the exam will cover the entire subject.

- **Final practical exam:** it will consist of solving a clinical case and analyzing 3 images presented during the course in lectures or seminars. It is not necessary to score above 5 in this test. This score is used to refine the assessment of the practical work.

July session:
It will consist of a theoretical test with 10 short-answer questions covering the entire subject program. A score above 5 out of 10 is required to pass.

Final grade composition:

- 50% will correspond to the theoretical result.

- 50% will correspond to the practical result, evaluating:

  - Continuous assessment of preclinical and clinical practice. 30%

  - Final practical exam. 10%

  - Participation in lectures and seminars. 10%

Attendance at practical activities is compulsory. It is considered that the student meets this requirement if they have attended at least 80% of these activities and have properly justified the inability to attend the remaining sessions due to force majeure. Meeting this requirement is essential to pass the subject.

Students are reminded of the great importance of completing the evaluation surveys for all teaching staff of this subject.

REFERENCES

Básicas

-Fons A, Agustín R, Solá Mª F. Prostodoncia Fija. Fundamentos y procedimientos clínicos. Ed Lisermed, 2021.

-Shillingburg H T, Hobo S, Whitsett L, Jacobi R , Brackett S. Fundamentos e esenciales en Prótesis Fija. 3ª Ed. Quintessence books, 2000.

- Dawson Peter E. Oclusión Funcional: Diseño de la Sonrisa a Partir de la ATM. Ed Amolca Año 2020.

- Suárez Feito José Mª. Oclusión simple y su aplicación en la rehabilitación adhesiva del desgaste dentario avanzado. Ed. Grupo Asís.2025.

- app móvil. **https://uv.iestudi.com/**

-RECURSOS e-Salut:

- ClinicalKey Student Medicina, Odontologia y Enfermería [https://uv-es.libguides.com/RecursosSalut]
- Acces Medicina [https://uv-es.libguides.com/Access_Medicina]
- Médica Panamericana [https://uv-es.libguides.com/Medica_Panamericana]

Complementarias:

- Magne P y Belser U. Odontología Restauradora Biomimética. Vol II Ed. Quintessence. 2022

- Adhesión en Odontología: fundamento y procedimientos. Universitat de València.2018.

- Agustín- Panadero R, Chust López C. Protocolo clínico-protésico de la técnica BOPT. Ed Especializadas Europeas. 2016.

- Implantología contemporánea. Misch CE. Ed Elsevier Mosby,4ª ed 2021.

- Fradeani, M. "Rehabilitación estética en prostodoncia fija. Vol 1: Análisis Estético". Vol 2 Tratamiento Protésico Ed. Quintessence. Barcelona, 2006.

- Hirata R. Shortcuts en odontología estética. Ed. Quintessence. Editora Ltda. 2018.