



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Early Caries Detection Methods							
Course Code		PED625		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	151 ( <i>Hours</i> )	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to teach early caries diagnosis methods that allow detection of apatite loss or gain at molecular level without any cavitation or radiographic decay.							
Course Content		Course Content Identification of the current visual, tactile, and radiological approach, as well as the investigation and activity of new caries diagnostic aids.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Assoc. Prof. Sultan KELEŞ							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Pinkham JR, Casamassimo PS, McTigue DJ, Fields HW, Nowak AJ. 2005, Pediatric Dentistry: Infancy Through Adolescence.
---	--

Week	Weekly Detailed Course Contents	
1	Theoretical	Caries diagnostic methods
2	Theoretical	Visual examination in caries diagnosis
3	Theoretical	Explorer examination in caries diagnosis
4	Theoretical	Radiographic examination in caries diagnosis
5	Theoretical	The importance of bite-wing radiography in the diagnosis of caries
6	Theoretical	Advantages of digital radiography in caries diagnosis
7	Theoretical	Disadvantages of digital radiography in caries diagnosis
8	Theoretical	Advanced caries diagnosis methods-1
9	Theoretical	Advanced caries diagnosis methods-2
10	Theoretical	Intraoral appearance of initial decay
11	Theoretical	Detection of white dot lesions
12	Theoretical	Patient complaint in early caries lesions
13	Theoretical	Seminar-1
14	Theoretical	Seminar 2
15	Intermediate Exam	Midterm exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	25	14	39
Assignment	1	15	1	16
Individual Work	5	4	10	70
Midterm Examination	1	25	1	26
Total Workload (Hours)				151
[Total Workload (Hours) / 25*] = ECTS				6

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Realising importance of early decay.
2	To learn new methods alternative to conventional caries detection methods.



3	To comprehend the advantages of current caries diagnosis methods over traditional methods
4	Understanding the contribution of early caries diagnosis on oral health
5	To understand the combined use of traditional and current methods in early caries diagnosis

**Programme Outcomes (Pediatric Dentistry Doctorate)**

1	Must be able to diagnosis and treatment plan in child patient
2	Must know the preventive dentistry treatments.
3	Must be able to restorative treatments in pediatric patient
4	Must be able to know how to apply space maintenances and their fabrication and their effects.
5	Must be able to clinical approach for dental trauma
6	Must be able to manage the dental treatment of handicapped and uncooperative child patient iunder dental sedation and general anesthesia
7	Must be aware of the new treatment techniques and improvements in pedodontics.

**Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High**

	L1	L2	L3	L4	L5
P1	3	3			
P7	3	3	3	3	3

