**Course Specification**

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| Institution: University of Dammam |
| College/Department: College of Dentistry |

**A Course Identification and General Information**

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| Course title and code: Preventive Dentistry, PDS332 |
| Credit hours: 1 |
| Program(s) in which the course is offered: Bachelor of Dentistry |
| Name of faculty member responsible for the course : Dr Maha ElTantawi, |
| Level/year at which this course is offered: third year , semester 2 |
| Pre requisites for this course: none |
| Co requisites for this course: none |
| Location if not on main campus : College of Dentistry |

1. **Objectives**

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| 1. Summary of main learning outcomes:   The course aims mainly at introducing students to the principles of epidemiology in general so they can understand factors affecting oral health of populations and groups using an approach that is distinctly different from that used in the clinic with individual patients. |
| 1. Course development plans 2. Restructuring of course objective and content: Content is modified to include basic epidemiologic facts related to major oral diseases. 3. Modification of teaching method to supplement lectures with activities where students apply caries indices on each other. |

**C. Course Description**

1. Topics to be covered

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| List of Topics | No of weeks | Contact hours | Instructor |
| Introduction to epidemiology, examples and uses  Risk assessment | 1 | 1 | Dr ElTantawi |
| Measurement of oral diseases  Measurement of caries | 3 | 3 | Dr Al-Khalifa  Course team |
| Caries Epidemiology | 2 | 2 | Dr Gaafar |
| Measurement of periodontal disease | 1 | 1 | Dr Nazir |
| Periodontal disease Epidemiology | 2 | 2 | Dr Nazir |
| Epidemiology of oral cancer, malocclusion, clefts, fluorosis and tooth loss | 1 | 1 | Dr Al-Jewair |
| Disease monitoring: surveys and surveillance | 1 | 1 | Dr ElTantawi |
| Epidemiologic profile of oral conditions in KSA | 1 | 1 | Dr Al- Ansari |

2. Course components (total contact hours per semester):

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| Lecture | Tutorial | Laboratory | Practical/Field work/Internship | Other: instructor directed peer assisted learning presentations |
| 12 | 0 | 0 | 0 | 12 |

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| 3. Additional private study/learning hours expected for students per week: none |

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| 1. **Development of Learning Outcomes in Domains of Learning** | | | |
| 1. **Knowledge** | | | |
| Knowledge to be acquired:   1. Discuss the scope and uses of oral epidemiology. 2. Identify methods to quantify oral diseases with a public health perspective 3. Discuss factors affecting the distribution of common oral diseases 4. Enumerate approaches to monitoring oral health diseases world wide 5. Describe the national epidemiologic profile of oral diseases in KSA | | | |
| Teaching strategies   1. Lectures | | | |
| Methods of assessment:   1. Written exams: short notes and MCQs in quiz 1, quiz 2 and final exam worth 20%, 20% and 40% respectively | | | |
| **b. Cognitive Skills** | | | |
| Skills to be developed:   1. Assess the effect of various factors in the community on the distribution of oral diseases 2. Select suitable tools and measures to quantify oral diseases | | | |
| Teaching strategies:   1. Lectures | | | |
| Methods of assessment:   1. Written exams: short notes and MCQs in quiz 1, quiz 2 and final exam worth 20%, 20% and 40% respectively | | | |
| **c. Interpersonal Skills and Responsibility** | | | |
| Skills to be developed:   1. Team skills | | | |
| Teaching strategies:   1. Practical application of caries indices on each other | | | |
| Methods of assessment:   1. 20% of continuous assessment grades for indices application | | | |
| **d. Communication, Information Technology and Numerical Skills** | | | |
| Skills to be developed:   1. NA | | | |
| Teaching strategies:   1. NA | | | |
| Methods of assessment:   1. NA | | | |
| **e. Psychomotor Skills (if applicable)** | | | |
| Skills to be developed:   1. Assess caries level using indices | | | |
| Teaching strategies:   1. Practical application in class on each other | | | |
| Methods of assessment:   1. 20% of continuous assessment grades for indices application | | | |
| 5. Schedule of Assessment Tasks for Students During the Semester | | | |
| Assess- ment | Assessment task | Week due | Proportion of Final Assessment |
| 1 | Exam 1 | Week 6 | 20% |
| 2 | Exam 2 1 | Week 11 | 20% |
| 3 | Application of indices | Weeks 3 and 4 | 20% |
| 5 | Final written | Week 16 | 40% |

**D. Student Support**

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| 1. Arrangements for availability of teaching staff for individual student consultations and academic advice:   1. Office hours: in room #96 2. Questions of students can also be emailed to director (mmtantawy@ud.edu.sa) |

**E. Learning Resources**

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| 1. Required Text(s): |
| 1. Essential References: none |
| 3- Recommended Books and Reference Material (Journals, Reports, etc): |
| 4-.Electronic Materials, Web Sites etc |
| 5- Other learning material such as computer-based programs/CD, professional standards/regulations: none |

**F. Facilities Required**

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| 1. Accommodation: lecture room with a number of seats matching number of students registered for course, desk for instructor, flip chart and stand or white board and markers. |
| 1. Computing resources: lap top, data show, access to internet |

**G. Course Evaluation and Improvement Processes**

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| 1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching:  * Twitter will be used to offer students chances to provide their opinion after the lectures and in relation to the resources and tasks they are assigned |
| 1. Other Strategies for Evaluation of Teaching by the Instructor or by the Department : end of course student feedback survey |
| 1. Processes for Improvement of Teaching: systematic and ongoing review of literature for effective teaching and student assessment methods |
| 1. Processes for Verifying Standards of Student Achievement: assessment of questions in quiz 1, quiz 2 and final exam to ensure questions validity. |
| 1. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement: review of during course student feedback results, end of course student feedback, assessment of questions to identify points of weakness and address them and points of strength and enhance them. |