**National Commission for Academic Accreditation & Assessment**

**Course Specification**

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| Institution **University of Dammam** |
| College/Department **Dental College, Department of Preventive Dental Sciences** |

**A Course Identification and General Information**

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| 1. Course title and code: **Clinical Periodontics PDS 571** |
| 2. Credit hours **04** |
| 3. Program(s) in which the course is offered.(If general elective available in many programs indicate this rather than list programs) |
| 4. Name of faculty member responsible for the course  **Prof. Khalid Almas** |
| 5. Level/year at which this course is offered **05** |
| 6. Pre-requisites for this course (if any)  **PDS 461, SDEN 432, BDS 421** |
| 7. Co-requisites for this course (if any)  **none** |
| 8. Location if not on main campus |

**B Objectives**

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| 1. Summary of the main learning outcomes for students enrolled in the course.   **The rationale of periodontal therapy will be studied, in particular the healing responses acquired**  **in the periodontium with regards to various treatment modalities. Students will be able to assess risks of disease development, as well as ascertain the prognosis of each treatment modality as related to the type of disease diagnosed. The relationship between periodontal diseases with other clinical disciplines of dentistry will be discussed.**  **The more advanced aspects of the relationship between periodontal diseases and systemic conditions will be presented. Students will study the objectives, indications and contraindications of various periodontal surgical procedures. The surgical approaches to the management of periodontal diseases will be studied, such that the student will be exposed to the complete spectrum of surgical therapeutic techniques, however, the student will be expected to develop the skills in clinical practice limited to those to be performed in an integrated comprehensive care general practice.**  **Clinically, students will be able to diagnose, ascertain prognosis, plan and deliver routine non-surgical treatment to patients with periodontal diseases, as well as interpret results on the treatment rendered. Students should be able to devise the appropriate periodontal maintenance program suitable for each patient.** |
| 2. Briefly describe any plans for developing and improving the course that are being implemented. (eg increased use of IT or web based reference material, changes in content as a result of new research in the field)  **Applicable academic updating of course contents as deemed necessary.** |

**C. Course Description** (Note: General description in the form to be used for the Bulletin or Handbook should be attached)

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| 1 Topics to be Covered | | |
| List of Topics | No of  Weeks | Contacthours |
| **Risk Factors, Prognosis in Periodontitis** | **1** | **1** |
| **Acute Gingival & Periodontal Diseases** | **1** | **2** |
| **Influence of Systemic Diseases on the Periodontium** | **1** | **2** |
| **Periodontal Medicine** | **1** | **2** |
| **Chemotherapeutic Agents** | **1** | **1** |
| **Objectives and Rationale for Periodontal Surgery** | **1** | **1** |
| **Surgical Anatomy of the Periodontium** | **1** | **1** |
| **The Gingivectomy Technique** | **1** | **1** |
| **Periodontal Flap Surgery** | **1** | **2** |
| **Resective Osseous Surgery** | **1** | **1** |
| **Regenerative Osseous Surgery** | **1** | **1** |
| **Furcation Lesions and their Management** | **1** | **1** |
| **Periodontal Plastic and Esthetic Surgery** | **1** | **2** |
| **Principles of Suturing Techniques** | **1** | **1** |
| **Clinical and Biological Aspects of Dental Implants** | **1** | **1** |
| **Surgical Aspects of Dental Implants** | **1** | **1** |
| **The Periodontic-Endodontic Relationship** | **1** | **1** |
| **The Periodontal-Restorative/Orthodontic Relationship** | **1** | **1** |
| **Oral Malodor** | **1** | **1** |

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| 2 Course components (total contact hours per semester): | | | | |
| Lecture: **24** | Tutorial: | Laboratory | Practical/Field work/Internship  **14** | Other: |

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| 3. Additional private study/learning hours expected for students per week. (This should be an average :for the semester not a specific requirement in each week) |

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| 4. Development of Learning Outcomes in Domains of Learning  For each of the domains of learning shown below indicate:   * A brief summary of the knowledge or skill the course is intended to develop; * A description of the teaching strategies to be used in the course to develop that knowledge or skill; * The methods of student assessment to be used in the course to evaluate learning outcomes in the domain concerned. |
| **a. Knowledge** |
| (i) Description of the knowledge to be acquired   * **Recognize the anatomy and histology of the periodontium, the etiology and pathogenesis of periodontal diseases, histopathological and radiographic changes.** * **Diagnose and provide a prognosis and treatment plan.** * **Understand the non-surgical approach to therapy.** * **Understand various surgical approaches to therapy.** * **Understand the relationship between periodontal disease and systemic disease** |
| (ii) Teaching strategies to be used to develop that knowledge  • **Lectures**  **• Topic Seminars** |
| (iii) Methods of assessment of knowledge acquired   * **Two Quizzes** * **Treatment Planning ( Group Case presentations)** * **Final exams composed of MCQs & essays.** |
| **b. Cognitive Skills** |
| (i) Description of cognitive skills to be developed   * **Differentiate key findings.** * **Make good clinical decisions.** * **Translate knowledge into new contexts.** * **Interpret facts, compare and contrast alternative procedures.** * **Solve problems using appropriate skills or techniques.** * **Select appropriate procedures or treatment.** |
| (ii) Teaching strategies to be used to develop these cognitive skills   * **Lectures** * **Topic Seminars** |
| (iii) Methods of assessment of students cognitive skills   * **Graded quizzes** * **Continuous clinical assessment** * **Final exams composed of scenario-based MCQs and essays.** * **Graded achieved clinical requirements.** |
| **c. Interpersonal Skills and Responsibility** |
| (i) Description of the interpersonal skills and capacity to carry responsibility to be developed   * **Apply the principles of moral reasoning and decision-making to conflicts within and between ethical, legal and professional issues including those raised by economic constrains, and scientific advances** |
| (ii) Teaching strategies to be used to develop these skills and abilities   * **Role play** * **Role modelling** |
| (iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility   * **Peer Evaluations.** * **Observation and Continuous Assessment by the Instructors.** |
| **d. Communication, Information Technology and Numerical Skills** |
| (i) Description of the skills to be developed in this domain.   * **Communicate effectively with colleagues and faculty both orally and in writing.** * **Use the Internet and hand-held devices for communication.** |
| (ii) Teaching strategies to be used to develop these skills   * **Group discussions** * **Explanation of the basics of effective communication** |
| (iii) Methods of assessment of students numerical and communication skills   * **Evaluation of individual and group discussions and presentations by instructor and peers.** |
| **e. Psychomotor Skills (if applicable)** |
| (i) Description of the psychomotor skills to be developed and the level of performance required   * **Examine the periodontium clinically and radiographically.** * **Treat patients with periodontal instrumentation and prescribe systemic antibiotics** * **Perform scaling and root planning.** * **Prescribe and monitor the use of anti-infective agents.** * **Manage secondary periodontal etiologic factors.** * **Evaluate the results of periodontal treatment, and establish and monitor a maintenance program.** * **Measure and record periodontal indices accurately, according to current guidelines.** * **Assess the requirement for and perform oral hygiene instruction, scaling and mechanical root debridement** |
| (ii) Teaching strategies to be used to develop these skills   * **Regular demonstrations with every step** |
| (iii) Methods of assessment of students psychomotor skills   * **Continuous assessments on the students’ performance** * **Structured direct observation with checklists for ratings by faculty** * **Final clinical exams.** |

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| 5. Schedule of Assessment Tasks for Students During the Semester | | | |
| Assessment | Assessment task (eg. essay, test, group project, examination etc.) | Week due | Proportion of Final Assessment |
| 1 | **None applicable** |  |  |
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**D. Student Support**

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| 1. Arrangements for availability of teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)  **Teaching staff are available for student consultations every week for 2 hours.** |

##### E Learning Resources

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| 1. Required Text(s)  **Carranza’s Clinical Periodontology. Newman M, Takei H and Carranza F, 10th**  **Edition, 2006, Elsevier Saunders**  **Students are encouraged to consult 11th Edition, of the above mentioned book, as it is available now. (2012)** |
| 2. Essential References |
| 3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List) |
| 4-.Electronic Materials, Web Sites etc |
| 5- Other learning material such as computer-based programs/CD, professional standards/regulations |

**F. Facilities Required**

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| Indicate requirements for the course including size of classrooms and laboratories (ie number of seats in classrooms and laboratories, extent of computer access etc.) |
| 1. Accommodation (Lecture rooms, laboratories, etc.)   * **One lecture room** * **30 clinics** |
| 2. Computing resources   * **Computing facilities are available for students at the Dental College.** |
| 3. Other resources (specify --eg. If specific laboratory equipment is required, list requirements or attach list) |

**G Course Evaluation and Improvement Processes**

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| 1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching   * **This is done by the Quality Control Department of the College.** |
| 2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department |
| 3 Processes for Improvement of Teaching |
| 4. Processes for Verifying Standards of Student Achievement (eg. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) |
| 5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. |