

T6. Course Specification (CS)

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| Institution | Najran University | Date | 5/ 5/ 2018 |
| College/Department | College of dentistry/Department of prosthetic dentistry (PDS) | | |

A. Course Identification and General Information:

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| 1. Course title and code : Fixed Prosthodontics (Pre-clinical II) PDS 334 | | | |
| 2. Credit hours : 2(1 +1) | | | |
| 3. Program(s) in which the course is offered. Bachelor Of Dental Surgery (BDS) (If general elective available in many programs indicate this rather than list programs) | | | |
| 4. Name of faculty member responsible for the course : Dr. Syed Yasir Qadiri | | | |
| 5. Level/year at which this course is offered : Level 8 / year 3rd (After preparatory year) | | | |
| 6. Pre-requisites for this course (if any) : | | | |
| 7. Co-requisites for this course (if any) : None | | | |
| 8. Location if not on main campus : Main campus College of Dentistry | | | |
| 9. Mode of Instruction (mark all that apply) | | | |
| a. Traditional classroom | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | What percentage | <input checked="" type="text" value="60%"/> |
| b. Blended (traditional and online) | <input type="checkbox"/> | What percentage | <input type="text"/> |
| c. e-learning | <input type="checkbox"/> | What percentage | <input type="text"/> |
| d. Correspondence(| <input type="checkbox"/> | What percentage | <input type="text"/> |
| f. Other | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | What percentage | <input checked="" type="text" value="40%"/> |
| Comments: | | | |
| <ul style="list-style-type: none"> - Practical - E-learning - Group discussion | | | |

Expose

B. Objectives

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| <p>1. What is the main purpose for this course</p> <p>Overall aims of the course:</p> <p>This course aims to:</p> <ol style="list-style-type: none"> Expose student to more training in the procedures for tooth preparation practically. Recognize the component parts of the fixed partial denture (FPD). List and use all the materials, instruments and devices used for fabrication of FPD in the dental labs. Recognize and correlate theoretical procedures with practical steps for the preparation of teeth for extra-coronal cast gold, porcelain fused to metal and all ceramic Fixed partial dentures |
| <p>2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field)</p> <ol style="list-style-type: none"> Continuous evaluation of the course content, student level and establish plans accordingly.. Use of new teaching strategies. Emphasis on principles of evidence based knowledge. Enriching the course with various electronic resources. |

C. Course Description (Note: General description in the form used in the Bulletin or handbook should be attached)

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| <p>Course Description:</p> <p>This course focuses mainly on the lab procedure for FPD fabrication. Students practice the main procedure related to the clinician, and expose to the procedures mainly performed by dental technicians.</p> <p>.....</p> |
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| 1. Topics to be Covered (Theoretical) | | |
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| List of Topics | No. of Weeks | Contact Hours |
| Introduction and revision of principles of tooth preparation | 1 | 1 |
| Articulator and facebow | 1 | 1 |
| Working die and cast | 1 | 1 |
| Pontics design | 1 | 1 |
| Wax pattern | 2 | 2 |

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|---|-----------|-----------|
| Solder joint and connector | 1 | 1 |
| Alloys used in metal ceramic restorations | 1 | 1 |
| Investing and casting | 1 | 1 |
| Porcelain application | 1 | 1 |
| Characterization and glazing | 1 | 1 |
| CAD-CAM | 1 | 1 |
| Common lab problems | 1 | 1 |
| Seminars | 2 | 2 |
| TOTAL | 15 | 15 |

| 2. Topics to be Covered (Practical) | | |
|---|--------------|---------------|
| List of Topics | No. of Weeks | Contact Hours |
| Reviewing the principles and steps of tooth preparation for bridges | 1 | 2 |
| Preparation for anterior bridge | 2 | 4 |
| Preparation for posterior bridge | 2 | 4 |
| Provisional restorations for bridge | 1 | 2 |
| Working die and cast | 1 | 2 |
| Wax-up (Diagnostic and metal sub-structure) | 3 | 6 |
| Investing and casting | 1 | 2 |
| Porcelain application | 1 | 2 |
| Finishing and polishing | 1 | 2 |
| Post and core | 2 | 4 |
| Total | 15 | 30 |

| 2. Course components (total contact hours and credits per semester): | | | | | | | |
|--|---------|---------|----------|-----------------------|-----------|--------|-------|
| | | Lecture | Tutorial | Laboratory/ Studio | Practical | Other: | Total |
| Contact Hours | Planned | 15 | | | 30 | | 45 |
| | Actual | 15 | | | 30 | | 45 |
| Credit | Planned | 1 | | | 1 | | 2 |
| | Actual | 1 | | | 1 | | 2 |

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| 3-Additional private study/learning hours expected for students per week | x 3 x |
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| 4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy. |
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On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table)

Second, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes.

Third, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain).

| Code # | NQF Learning Domains And Course Learning Outcomes | Course Teaching Strategies | Course Assessment Methods |
|------------|---|--|---|
| 1.0 | Knowledge | | |
| 1.1 | State the basic of lab procedure of fixed partial denture (FPD) | Lectures Group discussions | Written exams |
| 1.2 | List factors affecting the selection of FPD and the steps of fixed denture construction. | Lectures Group discussions Practical demonstrations Video presentations | Written exams Practical exams Continuous assessment |
| 2.0 | Cognitive Skills | | |
| 2.1 | Analyze the information obtained about the technical concepts of fixed partial denture construction | Lectures Group discussions Practical demonstrations Video presentations | Written exams Practical exams Continuous assessment |

| Code # | NQF Learning Domains And Course Learning Outcomes | Course Teaching Strategies | Course Assessment Methods |
|------------|---|--|---|
| 2.2 | Compare the different materials and techniques used in laboratory for fixed partial dentures | Lectures Group discussions Practical demonstrations Video presentations | Written exams Practical exams Continuous assessment |
| 3.0 | Interpersonal Skills & Responsibility | | |
| 3.1 | Show responsibility when using machines in the dental lab. Demonstrate team work with colleagues, technicians and staff with respectfully. | Collaborative learning Role play exercises on controversial issues relevant to the course. Students will be guided and supervised by staff members | Practical exams Observation checklist |
| 4.0 | Communication, Information Technology, Numerical | | |
| 4.1 | Operate and use technology in the production lab of FPD, communicate clearly in oral, written, and nonverbal form with the instructor, referral, dental team, colleagues and lab technicians. | Practical sessions | Practical exams |
| 5.0 | Psychomotor | | |
| 5.1 | Perform all basic laboratory steps required for fixed partial dentures and porcelain veneer construction up to an acceptable level. | Lectures Group discussions Practical demonstrations Video presentations | Final practical exam Continuous assessment |
| | Demonstrate advance manual skills by repeatedly applying them in simulative lab in a correct sequence up to the delivery of a successful fixed partial denture | Lectures Group discussions Practical demonstrations Video presentations | Final practical exam Continuous assessment |

1. Schedule of Assessment Tasks for Students During the Semester

| Assessment tasks | | Week Due | Proportion of Total Assessment |
|------------------|--|----------------------|--------------------------------|
| 1 | Quizzes | Weekly upon schedule | 15% |
| 2 | Theoretical midterm exam | 7 | 20% |
| 3 | Practical note book (including attitude and discussion in the lab) | 13 | 20% |
| 4 | Final term practical exam | 13 | 15% |
| 5 | Final term theory exam | 15 | 30% |
| Total | | | 100 |

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

Dr. Syed Yasir Qadiri (Course coordinator)

Office No. # 188

Office Hrs - Sun1-2pm and

Tuesday 9-10 am

Email: -dryasir@yahoo.com

Mobile No. - 0551322693

Dr. Alok Dwivedi

Office No. # 175

Office Hrs – Sun 8-9am and

Tuesday 9-10 am

Email: -at1970c@yahoo.co.in

Mobile No. -0550904375

E. Learning Resources

1. List Required Textbooks

- a. **Contemporary Fixed Prosthodontics. Stephen F. Rosenstiel BDS MSD, Martin F. Land DDS MSD, Junhei Fujimoto DDS MSD DSc. 2016. 5th edition. Mosby**

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| <p>b. Fundamentals of Fixed Prosthodontics. Hobo, Whitsett, Jacobi Brackett, Shillingburg. 2012. 4th edition Quintessence Publishing (IL).</p> |
| <p>2. List Essential References Materials (Journals, Reports, etc.)</p> <p>a. International Journal of Prosthodontics b. Journal of Prosthodontics c. Dental Material journal</p> |
| <p>c. List Electronic Materials Web Sites, Facebook, Twitter, etc</p> <p>http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed http://www.sciencedirect.com/ http://www.ada.org/prof/ed/testing/index.html</p> |
| <p>d. Other learning material such as computer-based programs/CD, professional standards or regulations and software.</p> <p>a. Animations to simplify the scientific ideas during lecture classes b. Video films demonstrating practical procedures</p> |

F. Facilities Required

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| <p>Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)</p> |
| <p>1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</p> <p>a. Classroom 20 seats. b. Student phantom lab. c. Production prosthodontic lab. d. Projectors to be installed properly in class rooms e. Camera connected to the screens</p> |
| <p>1. Computing resources (AV, data show, Smart Board, software, etc.)</p> <p>a. Computer with data show. b. Computer with internet access.</p> |
| <p>2. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements)</p> |

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| <p>or attach list).</p> <p>Prosthodontic lab. have the following equipment:</p> <ul style="list-style-type: none"> a- Phantom heads b- Micro motor. c- Contra angle hand piece d- Different shapes of cutting diamond burs e- Typodonts with all types of teeth f- Wax with electric carver. |
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G. Course Evaluation and Improvement Processes:

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| <p>1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching</p> <ul style="list-style-type: none"> a. Confidential feedback questionnaire from students b. Questioning at end of lectures |
| <p>2. Other Strategies for Evaluation of Teaching by the Instructor or by the department.</p> <ul style="list-style-type: none"> a- Staff member feedback. b- Peer evaluation. c- Electronic students feedback for courses |
| <p>3. Processes for Improvement of Teaching:</p> <ul style="list-style-type: none"> a- Constant reviewing and updating of recommended teaching methodologies. b- Regular feedback to staff members. c- Increase the number of staff. d- Attending workshops. |
| <p>f. Processes for Verifying Standards of Student Achievement (e.g. 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)</p> <ul style="list-style-type: none"> a. Remarking of a sample of assignments with a faculty member in another institution b. Small group discussion in the lab under faculty supervision on rotation |
| <p>5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement</p> <p>Continuous course feedbacks from staff members and students are collected each semester. These feedback are then analyzed. Accordingly, recommendations for improvement will be established. After that, plan is design to fulfill these recommendations. Plan outcome will be reviewed in the department.</p> |

Name of instructor _Dr. Syed Yassir Qadiri

Signature Dr. Syed Yassir Qadiri Date Report Completed: 5/ 5/ 2018

Name of field experience teaching staff : _____

Program coordinator : Dr: Abdel naser emam

Signature: Dr: Abdel naser emam Date received: 5/ 5/ 2018