

**Umm Al-Qura University**

**Faculty of Dentistry**

**Vice Deanship of Academic Development & Community Service**

وحدة تطوير المناهج

**Curriculum Development Unit**

**جامعــة أم القــرى**

**كلية طب الأسنان**

**وكالة الكلية للتطوير الأكاديمي وخدمة المجتمع**

**Kingdom of Saudi Arabia**

**The National Commission for Academic Accreditation & Assessment**

**Course Specifications**

**(CS)**

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| **Course Name** | Comprehensive Care Clinic I  |
| **Course Code** | 190450116 |
| **Academic Level** | 5th Level |
| **Semester** | 1st & 2nd  |
| **Study Plan No** | 33 |
| **Department** | Conservative and Restorative Dentistry |
| **Division** | Periodontology, Restorative, Endodontics, Fixed Prosthodontics |
| **Academic Year** | 2018-2019 AD – 1439-1440 AH |
| **Contact hours** | Theoretical | 4 / week |
| Practical | Non / week |
| Clinical | 12 / week |
| **Total Contact Hrs** | 16 / week |
| **Total Credit Hrs** | 20 |

 UQU-DENT:F0401-01/02

**Course Specifications**

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| Institution: Umm Al Qura University Date of Report: 20/6/2018  |
| College/Department: College of Dentistry / Department of Restorative Dentistry  |

**A. Course Identification and General Information**

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| 1. Course title and code: **Comprehensive Care Clinic I – 190450116** |
| 2. Credit hours: 20 Credits |
| 3. Program(s) in which the course is offered: Bachelor Degree of Dental Medicine and Surgery (BDS) |
| 4. Name of faculty member responsible for the course: Assisstant Prof. Shereen Abdelmeguid  |
| 5. Level/year at which this course is offered: 5th year – Whole academic year |
| 6. Pre-requisites for this course: Successful completion of fourth year. |
| 7. Location if not on main campus: This course is offer in the main campus at Al-Abedia area. |
| 8. Mode of Instruction (mark all that apply)20%√ a. Traditional classroom What percentage?  b. Blended (traditional and online) What percentage?10% c. e-learning What percentage?√ d. Correspondence What percentage?70% f. Other What percentage?√Comments:1. Traditional Classroom: in the form of interactive lectures.
2. E-learning: Through active learning activities: small group work (written assignment or presentation), case study and case presentation.

 f. Other: Through clinical sessions where students perform comprehensive care cases.  |

**B Objectives**

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| 1. What is the main purpose for this course?The aim of this course is to introduce students to the concept of treating and managing the patient as a whole in comprehensive care clinic. Students are helped to develop and comprehend a treatment plan for the patient in different phases including all disciplines and then start to provide the necessary clinical treatment under faculty supervision. This multidisciplinary integrated approach ensures the student learns to deal with patients holistically, and at the same time patients get the desired treatment done without further referrals and delays. |
| 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)-Increase the use of different forms of active learning in more topics to increase the student's ability of critical thinking. |

**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 (Lectures)** |
| List of Topics | 4 Hours (4 Lectures) per each week |
| Contact hours / week | Contact Hours |
| Introduction to periodontology and CCC I course | 1 hour x 1 week | 1 |
| Flap technique for pocket therapy | 1 hour x 4 weeks | 4 |
| Resective osseous surgery | 1 hour x 3 weeks | 3 |
| The periodontal restorative interrelationships  | 1 hour x 2 week | 2 |
| Bone graft and combined techniques  | 1 hour x 2 weeks | 2 |
| Guided tissue regeneration | 1 hour x 2 weeks | 2 |
| Suturing | 1 hour x 1 week | 1 |
| Furcation involvement and treatment | 1 hour x 2 weeks | 2 |
| Periodontal plastic and aesthetic surgery | 1 hour x 3 weeks | 3 |
| Wound healing biology | 1 hour x 1 weeks | 1 |
| Impact of periodontal infection on systemic health | 1 hour x 3 weeks | 3 |
| Periodontology cases study  | 1 hour x 3 weeks | 3 |
| Periodontology revision | 1 hour x 1 week | 1 |
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| Introduction to operative dentistry and CCC I course | 1 hour X 1 week | 1 |
| Conservative approach in restorative dentistry (minimal intervention) | 1 hour x 5 weeks | 5 |
| Esthetic consideration in tooth restoration | 1 hour x 4 weeks | 4 |
| Adhesion and bonding | 1 hour x 3 weeks | 3 |
| Indirect esthetic restorations | 1 hour x 4 weeks | 4 |
| Management of non carious lesions | 1 hour x 3 weeks | 3 |
| Management of mutilated teeth | 1 hour x 4 weeks | 4 |
| Failure of restorations | 1 hour x 2 weeks | 2 |
| Repairing finished restorations | 1 hour x 2 weeks | 2 |
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| Diagnosis of endodontic problems | 1 hour x 3 weeks | 3 |
| Endodontic case selection, treatment plan | 1 hour x 2 weeks | 2 |
| Pulp and periapical disease  | 1 hour x 3 weeks | 3 |
| Endodontic emergency  | 1 hour x 2 weeks | 2 |
| Pain | 1 hour x 2 weeks | 2 |
| Vital pulp therapy | 1 hour x 3 weeks | 3 |
| Traumatic injuries to the teeth | 1 hour x 3 weeks | 3 |
| Therapeutics in endodontics  | 1 hour x 2 weeks | 2 |
| Endodontic surgery and microsurgery | 1 hour x 3 weeks | 3 |
| Success and failure of endodontic treatment | 1 hour x 2 weeks | 2 |
| Microbiology | 1 hour x 2 weeks | 2 |
| Endodontics revision  | 1 hour x 1 week | 1 |
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| Revision of clinical steps for post and core | 1 hour x 1 week | 1 |
| Diagnosis in fixed prosthodontics | 1 hour x 2 weeks | 2 |
| Treatment plan for missing teeth | 1 hour x 2 weeks | 2 |
| Pontics | 1 hour x 1 week | 1 |
| Retainers | 1 hour x 1 week | 1 |
| Connectors | 1 hour x 2 weeks | 2 |
| Resin bonded restorations | 1 hour x 2 weeks | 2 |
| Design of fixed prosthesis for missing teeth | 1 hour x 2 weeks | 2 |
| Bite registration | 1 hour x 1 week | 1 |
| Tissue displacement | 1 hour x 1 week | 1 |
| Occlusion  | 1 hour x 2 weeks | 2 |
| Color and shade selection  | 1 hour x 1 week | 1 |
| Esthetics  | 1 hour x 2 weeks | 2 |
| Checking and verification | 1 hour x 1 week | 1 |
| Biological aspects in fixed prosthodontics | 1 hour x 1 week | 1 |
| Periodontal aspects in fixed prosthodontics | 1 hour x 1 week | 1 |
| Luting cements and cementation procedure | 1 hour x 1 week | 1 |
| Failures in fixed prosthodontics | 1 hour x 1 week | 1 |
| Removal and repair of fixed prosthodontics | 1 hour x 1 week | 1 |
| Care and maintenance | 1 hour x 1 week | 1 |
| Fixed prosthodontics revision  | 1 hour x 1 weeks | 1 |
| Total |  28 Weeks | 112 Hours |

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| **1. Topics to be Covered (Clinical sessions)** |
| Required clinical procedures | 12 Hours (4 Sessions) per each week |
| No. of Weeks  | Contact Hours |
| * Develop a treatment plan for rehabilitated dental patients in different phases including all disciplines and provide the necessary clinical treatment for the cases.

Periodontology:* Take the dental and medical history of the patients.
* Record the gingival finding and periodontal charting items.
* Discuss the diagnosis, prognosis and treatment plan of the cases.
* Supragingival scaling and education of plaque control measures.
* Subgingival scaling and root planning.
* Re-evaluate the periodontal treatment and maintenance.
* Demonstration of gingival surgical techniques.
* Demonstration of periodontal surgery flaps techniques for pocket therapy.

Operative Dentistry:* Diagnosis and treatment planning of teeth defects.
* Cavity preparation for different classes of caries.
* Restoration and application of different cavity bases and liners if needed.
* Final restoration with composite and glass ionomer.

Endodontics:* Diagnosis and treatment planning for root canal treatment (RCT) cases, mostly single rooted teeth.
* Rubber dam application.
* Gain access of root canals for different teeth.
* Cleaning and shaping of root canals.
* Master gutta percha verification.
* Final obturation of instrumented root canals.

Fixed Prosthodontics:* Diagnosis and treatment plan for fixed prosthodontics cases.
* Primary impression for upper and lower arches.
* First abutment preparation.
* Second abutment preparation.
* Secondary impression.
* Cores (metal) try in.
* Porcelain try in before glaze.
* Delivery and follow up of fixed restoration.
 | 28 Weeks | 336 |
| Total  |  | 28 Weeks  | 336 Hours |

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| **2. Course components (total contact hours and credits per two semester):**  |
|  | Lecture | Tutorial | Laboratory | Practical | Other | Total |
| Contact Hours | 112 |  |  | 336 |  | 448 |
| Credit | 8 |  |  | 12 |  | 20 |

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| **3. Additional private study/learning hours expected for students per week.** 10 hours / week |

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| **4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy** |

Course Learning Outcomes, Assessment Methods, and Teaching Strategy work together and are aligned. They are joined together as one, coherent, unity that collectively articulate a consistent agreement between student learning, assessment, and teaching.

The ***National Qualification Framework*** provides five learning domains. Course learning outcomes are required. Normally a course has should not exceed eight learning outcomes which align with one or more of the five learning domains. Some courses have one or more program learning outcomes integrated into the course learning outcomes to demonstrate program learning outcome alignment. The program learning outcome matrix map identifies which program learning outcomes are incorporated into specific courses.

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. **Fourth**, if any program learning outcomes are included in the course learning outcomes, place the @ symbol next to it.

Every course is not required to include learning outcomes from each domain.

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|  | **NQF Learning Domains** **And Course Learning Outcomes** | **Course Teaching****Strategies** | **Course Assessment****Methods** |
| **1.0** | **Knowledge** |
| 1.1 | Recall diagnostic criteria for making accurate diagnosis for comprehensive care cases. | - Interactive lectures.-Active learning activities: small group work (written assignment or presentation), case study and case presentation.  | -Written examinations (1st quiz, 2nd quiz, midyear, and final). -OSPE final exam.-Assessment of active learning performance by using rubrics. |
| 1.2 | Recognize patient risk factors and state prognosis. |
| **2.0** | **Cognitive Skills** |
| 2.1 | Develop a sequential treatment plan as well as a long term maintenance care plan. | - Interactive lectures.-Active learning activities: small group work (written assignment or presentation), case study and case presentation.  | -Written examinations (1st quiz, 2nd quiz, midyear, and final). -OSPE final exam.-Assessment of active learning performance by using rubrics. |
| 2.2 | Appraise the designed periodontal, endodontic, restorative and fixed prosthetic treatment procedures. |
| **3.0** | **Interpersonal Skills & Responsibility** |
| 3.1 | Act responsibly and ethically with peers and superiors in carrying out tasks. | -Independent learning tasks and group work.-Individual and group presentations. | Assessment of tasks performance and presentations by using rubrics. |
| **4.0** | **Communication, Information Technology, Numerical** |
| 4.1 | Use the available resources to the best to inform the learning process. | -Independent learning tasks and group work.-Individual and group presentations. | Assessment of tasks performance and presentations by using rubrics. |
| **5.0** | **Psychomotor** |
| 5.1 | Apply different methods to diagnose different oral disorders. | Clinical sessions.  | -Clinical requirements.-CCC cases. -Clinic log book.-Clinical exams.-Assessment of the clinical work by using rubrics |
| 5.2 | Perform the planned periodontal, endodontic, restorative and fixed prosthetic procedures for the patients. |

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| **5. Schedule of Assessment Tasks for Students During the two semesters** |
|  | Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.) | Week Due | Proportion of Total Assessment |
| 1 | Evaluation by using rubrics the small group work (written assignment or presentation)  | Throughout the 1st and 2nd terms | 5% |
| 2 | Clinical requirements “minimal competency required” | Throughout the 1st and 2nd terms | 20% |
| 3 | 1st quiz | Week 8 of the 1st term | 5% |
| 4 | CCC cases treatment planning presentation | Week 12 of the 1st term | 2.5% |
| 5 | Final 1st term clinical exams | Mid – year | 5% |
| 6 | Midyear written examination | Mid – year |  10% |
| 8 | 2nd quiz | Week 8 of the 2nd term | 5% |
| 10 | CCC cases presentation  | Week 14 of the 2nd term  | 2.5% |
| 11 | Submitted clinic logbook & finished CCC cases  | End of year | 5% |
| 12 | Final 2nd term clinical exams | End of year | 15% |
| 13 | OSPE | End of year | 5% |
| 14 | Final written examination | End of year | 20% |
| Total | 100% |

**D. Student Academic Counseling and Support**

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| 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)Every faculty will be available for 4 hours per week. |

**E. Learning Resources**

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| **1. List Required Textbooks**1.1. Newman MG, Takei HH, Klokkevold PR, and Carranza FA. Carranza's Clinical Periodontology Expert Consult: Text with Continually Updated Online Reference: 11th Edition 2011 by Saunders (W.B.) Co Ltd. ISBN13: **978-1437704167**1.2. Heymann HO, Swift EJ, Ritter AV. Sturdevant’s Art and Science of Operative Dentistry. 6th ed. Mosby, Elsevier Inc; 2013.1.3. Summitt JB, Robbins J W, et al. Fundamentals of Operative Dentistry. 3rd ed. Quintessence publishing Co, Inc; 2006.1.4. Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitcell DL, Blanco LJ, Kessler JC: Fundamentals of Fixed Prosthodontics, 4th Edition , Quintessence Publications Inc. 2012.1.5. Ingle's. Endodontics. 6th edition. Publisher: Pmph USA; (2007).1.6. Torabinjad . Principles and Practice 4 edition. Publisher: Saunders; (2008). |
| **2. List Essential References Materials (Journals, Reports, etc.)**2.1. American Academy of periodontology. Journal of periodontology, available at "http://www.joponline.org/" Volume 71 – 85, from 2000 – 2014. Update 2013, last access Feb. 15, 2014.2.2. Academy of Operative Dentistry. Journal of operative dentistry, available at: "http://www.jopdent.org/" Volume 31 – 39, from 2006 – 2014. Update 2014, last access Feb. 15, 2014.2.3. Elsevier. Journal of dentistry, available at: <http://www.journals.elsevier.com/journal-of-dentistry>, Volume 28- 42, from 2000 – 2014. Update 2014, last access Feb. 15, 2014.2.4. Kenneth M. Hargreaves, Stephen Cohen Publisher: 10th edition (2010).2.5. Rosenstiel SF (Editor of Journal of Prosthetic Dentistry) available at "http://www.journals.elsevier.com/journal-of-prosthetic-dentistry" Volume 83 – 111, Update 2014. Accessed Jan. 30, 2014. |
| **3. List Recommended Textbooks and Reference Material (Journals, Reports, etc)** 3.1. Edith M & Klaus H Rateitschak, Wolf and Hassell Thieme Color Atlas of Dental Medicine: Periodontology Vol. 13rd Edition 2005 By -Stratton Corp. ISBN: 08657731813.2. Wiley Online Library , Journal of Periodontology 2000 available at "http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1600-0757" , Volume 22 – 64, 2000-2014. Update 1999-2014. Accessed Feb. 15, 2014.3.3. Kidd M, Smith B N, Watson F. Pickard's manual of operative dentistry. 8th ed. Oxford New York: Oxford Medical Publications; 2003.3.4. Roulet J-F, Wilson N H F, Fuzzi M. Advances in operative dentistry, volume 1: contemporary clinical practice. Quintessence Publishing Co, Inc; 2001.3.5. Wilson N H F, Roulet J-F, Fuzzi M. Advances in operative dentistry, volume 2: Challenges of the future. Quintessence Publishing Co, Inc; 2001.3.6. Goldstein R E, Belinfante L S, Nahai F. Change your smile. 3rd edition. Quintessence books; 1997.3.7. American Association of Endodontics, Journal of Endodontics, available at "http://www.jendodon.com/" Volume 26-40, from 2000 – 2014. Update 2014, accessed Feb. 14, 2014.3.12. Endodontics: third edition. Publisher C. Stock, R. Walker. K. Gulabivala.3.13. Rosenstiel SF, Land MF, Fujimoto J: Contemporary Fixed Prosthodontics, 4th Edition 2006, Mosby.3.14. Wiley library, Journal of Prosthodontics, available "http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1532-849X" Volume 9 – 23, from 2000 -2014. Update 1999-2014. Accessed Feb. 14, 2014. |
| **4. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.)**4.1. American Academy of periodontology available at http://www.perio.org/**.** Last update 2014, last accessed 12/2/3014.4.2. Weber HT (President of American Academy of Prosthodontics) available at "http://www.academyofprosthodontics.org/ ". Last update 2013. Accessed 8/1/2014.4.3. Stephen Cohen, a Diplomate of the American Board of Endodontics. www.cohenendodontics.com. Last update 2011 – 2012. Accessed 12/2/2014.4.4. Wiley Enables Discovery Collaborating and curating to advance cutting-edge research www.wiley.com. Last update 2011 – 2012. Last accessed 12/2/2014.4.5. Endodontic specialists www.endoweb.com. Last update 2011. Last accessed 12/2/2014. |
| **5. Other learning material such as computer-based programs/CD, professional standards or regulations and software:** Models, slide and audio-visual system.5.1.Weber HT (President of American Academy of Prosthodontics) available at Glossary of Prosthodontic Terms <http://www.academyofprosthodontics.org/_Library/ap_articles_download/GPT8.pdf> |

**F. Facilities Required**

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| 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.) |
| **1. Accommodation****1.a. Classrooms:**Each teaching classroom in the faculty is large enough to accommodate 60 students at one time & it includes enough number of comfortable seats arranged in rows with spaces between them. These classrooms are supply with audiovisual equipment’s, data show, a large screen, screen pointers & other equipment’s needed for the PowerPoint Presentation of lectures.**1.b. Discussion rooms:**PBL rooms; meeting room that accommodate 8-10 students at a time for tutorial and small group activities. Audiovisual equipment’s, data Show, large screen, screen pointers & other equipment’s needed for the PowerPoint Presentation are required.**1.c. Laboratory & Dental Clinic :**Each student has his own dental clinic to treat patients. All material and instrument needed to complete clinical requirement**Sterilization dip:** dental instruments are being sterilized, handed to and received from students.Access **to prosthetic lab** for pouring impressions and prosthodontics appliance fabrication |
| **2. Computing resources** (AV, data show, Smart Board, software, etc.)All students have the opportunity to use computer with internet access in a comfortable place. This will enable the students to search for the learning issues of the PBL and SDL tutorials. |
| **3. Other resources** (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) Study areas for students to revise their lessons.Library access. |

**G Course Evaluation and Improvement Processes**

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| **1.Strategies for Obtaining Student Feedback on Effectiveness of Teaching**1.1. A course evaluation questionnaire is designed to assess the effectiveness of the course regarding objectives, teaching facilities, instructor, assessment process and resources. It is distributed to all the students at the end of the course. Data analyzed, interpreted and discussed by the course director or committee in order to issue an improvement plan for any difficulties facing the students.1.2. Focus group discussion with the students to validate the questionnaire results. |
| **2. Other Strategies for Evaluation of Teaching by the Program/Department Instructor**2.1. Course evaluation questionnaire is designed to assess the effectiveness of the course. It is distributed to instructors who participated in teaching the course at the end of the semester; data is analyzed, interpreted and discussed by the course director or committee.2.2. An annual course report is compiled by the course director or committee in light of the results of student’s performance as well the results of the course evaluation Questionnaire by students. |
| **3. Processes for Improvement of Teaching**Workshops for staff development. |
| **4. 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).Double checking of the students answers by two evaluators.External examiners recruitment is helpful for verifying students' performance. |

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| **5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.**The course is revised annually after its delivery in light of the results of students' performance (students' grades) and the results of the course evaluation questionnaire by both students and teaching staff. The course director or committee discusses these issues and put an improvement plan for each spotted problem. They revise the course content and intended learning objectives. Any changes in objectives, teaching strategies or assessment methods should be documented in the course specification of the next year. Major changes should not be considered except after being approved by the curriculum committee. |

 **Signature**

**Name of Course Director:** Assisstant Prof. Shereen Abdelmeguid Shereen Abdelmeguid

**Faculty or Teaching Staff:**

Dr. Ayman Aboulenen, Professor, Periodontics Division

Dr. Ahmed Alzahrani, Assistant Professor, Periodontics Division

Dr. Alaa Atia, Assistant Professor, Periodontics Division

Dr. Ahmed Dardir, Assistant Professor, Periodontics Division

Dr. Eman Talla, Professor, Periodontics Division

Dr. Hala Abuelela, Professor, Periodontics Division

Dr. Ebtehal Hamdy, Assistant Professor, Periodontics Division

Dr. Dania Alangary, Lecturer, Periodontics Division

Dr. Yasser Elbouhi; Assistant Professor, Operative Dentistry Division

Dr. Moanes abdelhameed; Assistant Professor, Operative Dentistry Division

Dr. Sahar elmarsafy; Associate Professor, Operative Dentistry Division

Dr. Safinaz Abdelwahab; Assistant Professor, Operative Dentistry Division

Dr. Nada Ali; Assistant Professor, Operative Dentistry Division

Dr. Maged Almalki, Assistant Professor, Endodontic Division

Dr. Ramy Omra, Lecturer Endodontic Division

Dr. Ahmed Tarek, Assistant Professor, Endodontic Division

Dr. Samia Mohamed Elsherief; Associate Professor, Endodontic Division

Dr. Laila Kenawi, Assistant Professor, Endodontic Division

Dr. Mohammed Fattouh, Assistant Professor, Fixed Prosthodontics Division

Dr. Khalid Ali El Banna, Lecturer, Fixed Prosthodontics Division

Dr. Omar Abuelela, Assistant Professor, Fixed Prosthodontics Division

Dr. Shereen Mohamed ElSayed Abdelmeguid, Assistant Professor, Fixed Prosthodontics Division

Dr. Zeinab Nabil, Associate Professor, Fixed Prosthodontics Division

**Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date Report Completed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Received by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dean/Department Head**

**Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**