Republic of Yemen

Ministry of Higher Education & Scientific Research
Emirates International University



Faculty of Dentistry Department of Conservative Dentistry Doctor of Dental Surgery (DDS)

Course Specification of

Operative Dentistry I (Pre-Clinical)

Course No. ()



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Review committee

Head of the Department

Quality Assurance head

Dean of Faculty





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| I. Course Identification and General Information: | | | | | | |
|---|---|--|--------------------------------------|--------------|---------|--|
| 1 | Course Title: | Operativ | Operative Dentistry I (Pre-Clinical) | | | |
| 2 | Course Code & Number: | | | | | |
| | | Credit Theory Hours | | Hours | Lab. | |
| 3 | Credit Hours: | Hours | Lecture | Exercise | Hours | |
| | | 3 | 2 | | 3 | |
| 4 | Study Level/ Semester at which this Course | 3 rd Lev | el / 1 st Sem | ester | | |
| | is offered: | | | | 1 D 4-1 | |
| 5 | Pre –Requisite (if any): | Introduction to Operative Dentistry, Dental material II and Dental morphology II | | | | |
| 6 | Co -Requisite (if any): | None | | | | |
| . 7 | Program (s) in which the Course is Offered: | Doctor of Dental Surgery (DDS) | | |) | |
| 8 | Language of Teaching the Course: | English | | | | |
| 9 | Study System: | Semester based System | | | | |
| 10 | Mode of Delivery: | Full Time | | | | |
| 11 | Location of Teaching the Course: | Faculty of Dentistry | | | | |
| 12 | Prepared by: | Assoc. | Prof. Dr. Ibi | rahim Z. Al- | Shami | |

II. Course Description:

This course is provided for third- year students. It is a combination of lectures and laboratory sessions, representing the basic principles of cavity preparations for the currently available restorative materials and their physical and manipulative characteristics and the different techniques and procedures to restore the lost tooth structure to their proper form, function and aesthetics. students will be trained to Identify and classify carious lesions, design cavities, manipulate and place light-cured composite restorative resin and amalgam restorative material, apply liners and bases, finish and polish amalgam & composite restorations on artificial teeth.



المُمْكَنُونِ الْمُحْتَى الْمُحْتَى الْمُحَدِّقِ الْمُحْدِّقِ الْمُحْدِّقِ الْمُحْدِّقِ الْمُحْدِي الْمِحْدِي الْمُحْدِي الْمُحْمِي الْمُعْمِي الْمُحْدِي الْمُحْدِي الْمُحْدِي الْمُعِلِي

III. Course Intended Learning **Referenced PILOs** Outcomes (CILOs): Upon successful completion of the Learning out of program course, students will be able to: I. A A. Knowledge and Understanding: or E Describe the classification, diagnosis, A5 clinical features and sequelae of dental a1 caries. Describe the physical characteristics of A4 the currently used adhesives and a2 restorative materials. List various techniques used to restore a3 A4 different cavity preparations **B.** Intellectual Skills: Choose the different restorative options b1 **B5** and design cavities on artificial teeth Distinguish between the uses of different **B1** dental materials in different clinical b2 situations. C. Professional and Practical Skills: Practice different cavity designs for c1 **C7** amalgam and tooth colored restorations on artificial teeth. materials in base Apply cement, c2C4 different cavities. Do proper finishing and polishing of c3 **C**7 restorations on artificial teeth D. Transferable Skills: Communicate with dental assistants and d1 **D3** colleagues easily





| d2 | Utilizes modern sources as tools getting information for self-learning and self-evaluation. | D2 | · |
|----|---|----|---|
| d3 | Manage time during lab work | D4 | |

(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:

| | to I caching Strategies and 1155 | to Tourism Street Stree | | | | | |
|----|--|--|--|--|--|--|--|
| | Course Intended Learning Outcomes | Teaching Strategies | Assessment Strategies | | | | |
| a1 | Describe the classification, diagnosis, clinical features and sequelae of dental caries. | LecturesDiscussions | QuizzesMidterm ExamFinal Exam | | | | |
| a2 | Describe the physical characteristics of the currently used adhesives and restorative materials. | LecturesDiscussions | QuizzesMidterm ExamFinal Exam | | | | |
| a3 | List various techniques used to restore different cavity preparations | LecturesDiscussions | Quizzes Midterm Exam Final Exam | | | | |

(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching **Strategies and Assessment Methods:**

| | Course Intended Learning Outcomes | I LENGITIES I | |
|----|--|---|---|
| b1 | Choose the different restorative options and design cavities on artificial teeth | LecturesDemonstrationsDiscussions | Quizzes Midterm Exam Final Exam Practical Exams Semester work |
| b2 | Distinguish between the uses of different dental materials in different clinical situations. | LecturesDemonstrationsDiscussions | Quizzes Midterm Exam Final Exam |

(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills)

to Teaching Strategies and Assessment Methods:

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Faculty of Dentistry





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| | Course Intended Learning Outcomes | Teaching Strategies | Assessment Strategies |
|----|---|---|--|
| c1 | Practice different cavity designs for amalgam and tooth colored restorations on artificial teeth. | Practical SessionsDemonstrationsDiscussions | Direct observationPractical ExamsSemester work |
| c2 | Apply cement, base materials in different cavities. | Practical SessionsDemonstrationsDiscussions | Direct observationPractical ExamsSemester work |
| c3 | Do proper finishing and polishing of restorations on artificial teeth | Practical SessionsDemonstrationsDiscussions | Direct observationPractical ExamsSemester work |

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

| | Strategies and Assessment Wet | 84 V 99 V 9 | |
|----|---|---|--|
| | Course Intended Learning Outcomes | Teaching Strategies | Assessment Strategies |
| d1 | Communicate with dental assistants and colleagues easily | Self-LearningPresentationSeminars | Direct observationPractical ExamsSemester work |
| d2 | Utilizes modern sources as tools getting information for self-learning and self-evaluation. | Self-LearningPresentationSeminars | Direct observationPractical ExamsSemester work |
| d3 | Manage time during lab work | Self-LearningPresentationSeminars | Direct observationPractical ExamsSemester work |

| HW7 | CALINCA | Contents: |
|-----|---------|------------------|
| IV. | Course | contents: |

A. Theoretical Aspect:

| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours | Learning Outcomes (CILOs) |
|-----|-------------------|---|--------------------|------------------|---------------------------------|
| 1 | Amalgam cavity | Sequence of class II preparationsGeneral considerationsTypes of class II cavity | 1 | 2 | a3, b1 |



| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours | Learning Outcomes (CILOs) |
|------------------------------|------------------------|---|--------------------|------------------|---------------------------------|
| | preparations Class II | preparation | | | |
| | | - The extended class II amalgam | | | |
| | à | - Dental cements materials, | | | |
| 2 2 | Intermediary base | - Cavity liners, | | | |
| 2 | materials | - Cement, bases | 1 | 2 | a2, b2 |
| Z | | - Varnishes | | _ | a2, 02 |
| - 1 * | | - advantages and disadvantages, | | | |
| | | - uses and manipulation | | | |
| | | Manipulations technique for Class II | | | |
| | Dental Amalgam | Matrix band and retainer. | | | |
| 3 | restorations for class | Condensation of the amalgam restoration. | 2 | 4 | a2, b2 |
| | | Carving of amalgam and carving instruments. | | | |
| | | Finishing and Polishing | | | |
| | | - Classification | | | |
| 4 | Dental Caries | Sites and Progression of Caries | 3 | 6 | a1, b1 |
| 4 | | – Diagnosis | 3 | 0 | a1, 01 |
| to the same of the same same | | Prevention and control | | | |
| 5 | Midterm Exam | - MCQs and essay questions | 1 | 2 | a1, a2. a3, b1, b2 |
| | | - History, Composition | | | |
| Analah dal | Composite Resin | - Classification | | 2 | a2,a3, |
| 6 | Materials Part I | Indication, Contraindication, | 1 | 2 | b2, |
| | | Advantages, Disadvantages | | | |
| | Principles of Tooth | - Class III, IV and V | | | |
| 7 | preparation for | - Definition | 2 | 4 | a3, b2 |
| | Composite | Tooth preparation | | I LOUI | |



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| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours | Learning Outcomes (CILOs) |
|-------------|---|--|--------------------|------------------|---------------------------------|
| 5 111947 36 | Restoration | - different designs | | | |
| 8 | Composite Resin Materials Part II | Etching,Bonding,Bonding to enamel and dentin | 2 | 4 | a2, a3, b2 |
| 9 | Composite Cavity Restoration | class III, IV, V restorationsRestorative Procedures | 1 | 2 | a2, b2 |
| 10 | Finishing and Polishing of Restorations | ObjectivesInstrumentationTechniques | 1 | 2 | a2, b2 |
| 11 | Final Exam | MCQs and essay questions | 1 | 2 | a1, a2. a3, b1, b2 |
| | Number of Weeks /and Units Per Semester | | | 32 | |

| B. Case Studies and Practical Aspect: | | | | | |
|---------------------------------------|---|---------------------------------|------------------|---------------------------------|--|
| No. | Tasks/ Experiments | Week Due | Contact Hours | Learning Outcomes (CILOs) | |
| 1 | Introduction to the Course, Distribution of Instruments Mounting of Plastic Teeth Review and Practice: Class I Occlusal and Buccal Pit Amalgam Cavity Preparation | 1 st | 3 | b1, b2, c1, d1, d2, d3 | |
| 2 | Demonstration and Practice: Class II Amalgam Cavity Preparation on lower and upper molars | 2 ^{ed} 3 rd | 6 | b1, c1, d1, d2, d3 | |
| 3 | Demonstration and Practice: Class II Amalgam Cavity Preparation on lower and upper premolars | 4th 3th C | 6 | b1, c1, d1, d2, d3 | |



| No. | Tasks/ Experiments | Week Due | Contact Hours | Learning Outcomes (CILOs) |
|---------|---|-----------------------------------|------------------|--------------------------------------|
| 4 | Demonstration and Practice: liner and base, Matrix Formation and Placement & Amalgam Restorations | 6 th | 3 | b2, c1, c2, c3, d1, d3 |
| 5 | Practice: Matrix Placement and Amalgam Restorations on all Class II cavities | 7 th | 3 | b2, c1, c2, c3, d3 |
| 6 | Demonstration and Practice: Class II (MO-OL) Amalgam Preparation and restoration | 8 th | 3 | b1, c1, d1, d2, d3 |
| 7 | Demonstration and Practice: Finishing and Polishing of various Amalgam Restorations - Class I and Class II | 9 th | 3 | b2, c1, c2, c3, d3 |
| 8 | Demonstration and Practice: Cavity Preparation and restorations for Composite Resin on upper and lower centrals and laterals, Class III Lingual Approach, | 10 th 11 th | 6 | b2, c1, c2, c3, d3 |
| 9 | Demonstration and Practice: Cavity Preparations and restorations for Composite Resin on upper anterior teeth, Class IV (Traumatic) | 12 th | 3 | b2, c1, c2, c3, d3 |
| 10 | Demonstration and Practice: Preparation and restorations for Composite Resin on anterior and posterior teeth, Class V Facial Cavities | 13 th | 3 | b2, c1, c2, c3, d3 |
| 11 | Demonstration and Practice: Finishing and Polishing of Composite Resin Restorations | 14 th | 3 | b2, c2, c3, d1, d2, d3 |
| 12 | Practical Exam | 15 th | 3 | b1, b2, c1, c2, c3, d1, d2, d3 |
| er russ | Number of Weeks /and Units Per Semester | 15 | 45 | |







V. Teaching Strategies of the Course:

- Lectures
- Presentations
- Demonstrations
- Discussions
- Seminars
- Practical Sessions
- Self-Learning

VI. Assessment Methods of the Course:

- Quizzes
- Midterm Exam
- Final Exam
- Practical Exam
- Semester work
- Direct observation

| V | II. Assignments: | | - 19 to F 112 | |
|-----|---|------------------------------------|---------------|-----------------------------------|
| No. | Assignments | Week Due | Mark | Aligned CILOs (symbols) |
| 1 | Semester work: - practical laboratory work and Requirements | 2 nd – 14 th | 10 | b1, b2, c1, c2, c3, d1, d2, d3 |
| | Total | | 10 | |







VIII. Schedule of Assessment Tasks for Students During the Semester:

| No. | Assessment Method | Week Due | Mark | Proportion of Final Assessment | Aligned Course Learning Outcomes |
|-----|-------------------|------------------------------------|------|--------------------------------------|-------------------------------------|
| 1 | Assignments | 2 nd – 14 th | 10 | 10% | b1, b2, c1, c2, c3, d1, d2, d3 |
| 2 | Quiz | 6 th | 5 | 5 % | a1, a2, a3, b1, b2 |
| 3 | Midterm Exam | 8 th | 20 | 20 % | a1, a2. a3, b1, b2 |
| 4 | Practical Exam | 15 th | 15 | 15 % | b1, b2, c1, c2, c3, d1, d2, d3 |
| 5 | Final Exam | 16 th | 50 | 50 % | a1, a2. a3, b1, b2 |
| | Total | | 100 | 100 % | |

IX. Learning Resources:

1- Required Textbook(s):

- 1- Theodore Roberson, Harald O. Heymann, 2013: Sturdevant's Art and Science of Operative Dentistry, 6th Edition, Mosby, USA.
- 2- Hilton, Thomas J.; Ferracane, Jack L., and Broome, James, 2013: Fundamentals of Operative Dentistry: A Contemporary Approach, Fourth Edition, Quintessence, USA.

2- Essential References:

- 1- A. J. E. Qualtrough, Julian Satterthwaite, Leean Morrow, and Paul Brunton, 2009: Principles of Operative Dentistry, John Wiley & Sons, USA.
- 2- Nisha Garg, Amit Garg, 2015: Textbook of Operative Dentistry. 3rd Edition, JP Medical Ltd, India.
- 3- Harpreet Singh, 2011: Essentials of Preclinical Conservative Dentistry, 2nd Edition, Walter Kluwer, Netherland.

3- Electronic Materials and Web Sites etc.:

Websites:

1- Journal of dentistry https://www.journals.elsevier.com > journal-of-dentistry



EMIRATES INTERNAMONAL



2- Operative Dentistry Journal

https://www.meridian.allenpress.com/operative-dentistry

3- Dental Materials Journal

https://www.researchgate.net

4- Digital Restorative Dentistry

https://www.springer.com/gp/book

| | X. Course Policies: (Based on the Uniform Students' By law (2007) |
|---|---|
| 1 | Class Attendance: Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes. |
| 2 | Tardiness: A student will be considered late if he/she is not in class after 10 minutes of the start time of class. |
| 3 | Exam Attendance/Punctuality: No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed. |
| 4 | Assignments & Projects: Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same. |
| 5 | Cheating: Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply. |
| 6 | Forgery and Impersonation: Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply. |
| 7 | Other policies: The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration. |





Faculty of Dentistry Department of Conservative Dentistry Program of Doctor of Dental Surgery (DDS)

Course Plan (Syllabus) of Operative Dentistry I (Pre-Clinical)

Course No. (-----)

| I. Information about Faculty Member Responsible for the Course | | | | se: | | | |
|--|-----------------------|----------|-----|----------|----------|-----|----------|
| Name of Faculty Member: | Ibrahim Z. Al-Shami | | (| Office | Hour | 'S | |
| Location& Telephone No.: | Sanaa 777980568 | | 4] | Hours | Weel | kly | |
| E-mail: | ibrahimzaed@yahoo.com | SAT 1 | SUN | MON 1 | TUE 1 | WED | THU 1 |







| I | I. Course Identification and Gen | eral Ir | nformati | ion: | |
|----|--|--|---------------|--------------|-------|
| 1 | Course Title: | Operati | ve Dentistry | I (Pre-Clini | cal) |
| 2 | Course Code & Number: | | | | |
| | | Credit Theory Hours | | | Lab. |
| 3 | Credit Hours: | Hours | Lecture | Exercise | Hours |
| | | 3 | 2 | | 3 |
| 4 | Study Level/ Semester at which this Course is offered: | 3rd Level / 1st Semester | | | |
| 5 | Pre -Requisite (if any): | Introduction to Operative Dentistry, Dental material II and Dental morphology II | | | |
| 6 | Co -Requisite (if any): | None | | | |
| 7 | Program (s) in which the Course is Offered: | Doctor of Dental Surgery (DDS) | | |) |
| 8 | Language of Teaching the Course: | English | | | |
| 9 | Study System: | Semeste | er based Sys | stem | |
| 10 | Mode of Delivery: | Full Tin | ne | | |
| 11 | Location of Teaching the Course: | Faculty | of Dentistr | у | × |
| 12 | Prepared by: | Assoc. I | Prof. Dr. Ibr | ahim Z. Al-S | Shami |

III. Course Description:

This course is provided for third- year students. It is a combination of lectures and laboratory sessions, representing the basic principles of cavity preparations for the currently available restorative materials and their physical and manipulative characteristics and the different techniques and procedures to restore the lost tooth structure to their proper form, function and aesthetics, students will be trained to Identify and classify carious restorative material, manipulate and place light-cured composite restorative resin and amalgant restorative material,





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apply liners and bases, finish and polish amalgam & composite restorations on artificial teeth.

IV. Course Intended Learning Outcomes (CILOs): Upon successful completion of the Course, student will be able to: A. Knowledge and Understanding:

| | A. Knowledge and Understanding: |
|-----|---|
| a1 | Describe the classification, diagnosis, clinical features and sequelae of dental caries. |
| a2 | Describe the physical characteristics of the currently used adhesives and restorative materials. |
| a3 | List various techniques used to restore different cavity preparations |
| 4.5 | B. Intellectual Skills: |
| b1 | Choose the different restorative options and design cavities on artificial teeth |
| b2 | Distinguish between the uses of different dental materials in different clinical situations. |
| | C. Professional and Practical Skills: |
| c1 | Practice different cavity designs for amalgam and tooth colored restorations on artificial teeth. |
| c2 | Apply cement, base materials in different cavities. |
| c3 | Do proper finishing and polishing of restorations on artificial teeth |
| | D. Transferable Skills: |
| d1 | Communicate with dental assistants and colleagues easily |
| d2 | Utilizes modern sources as tools getting information for self-learning and self-evaluation. |
| d3 | Manage time during lab work |

| V. | Course Contents: | | | |
|-----|---------------------|-----------------|--------------------|------------------|
| Α. | Theoretical Aspect: | | | * |
| No. | Units/Topics List | Sub Topics List | Number of-Weeks | Contact Hours |





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V. Course Contents:

A. Theoretical Aspect:

| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours |
|-----|---|---|--------------------|------------------|
| 1 | Amalgam cavity preparations Class II | Sequence of class II preparations General considerations Types of class II cavity preparation The extended class II amalgam | 1 | 2 |
| 2 | Intermediary base materials | Dental cements materials, Cavity liners, Cement, bases Varnishes advantages and disadvantages, uses and manipulation | 1 | 2 |
| 3 | Dental Amalgam restorations for class II | Manipulations technique for Class II Matrix band and retainer. Condensation of the amalgam restoration. Carving of amalgam and carving instruments. Finishing and Polishing | 2 | 4 |
| 4 | Dental Caries | Classification Sites and Progression of Caries Diagnosis Prevention and control | 3 | 6 |
| 5 | Midterm Exam | - MCQs and essay questions | 1 | 2 |
| 6 | Composite Resin Materials Part I | History, Composition Classification Indication, Contraindication, Advantages, Disadvantages | | 2 |





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V. Course Contents:

A. Theoretical Aspect:

| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours |
|----------|---|---|--------------------|------------------|
| 7 | Principles of Tooth preparation for Composite Restoration | Class III, IV and V Definition Tooth preparation different designs | 2 | 4 |
| 8 | Composite Resin Materials Part II | Etching,Bonding,Bonding to enamel and dentin | 2 | 4 |
| 9 | Composite Cavity Restoration | class III, IV, V restorationsRestorative Procedures | 1 | 2 |
| 10 | Finishing and Polishing of Restorations | ObjectivesInstrumentationTechniques | 1 | 2 |
| 11 | Final Exam | - MCQs and essay questions | 1 | 2 |
| 27 22 30 | Number of Weeks | /and Units Per Semester | 16 | 32 |

| No. | Tasks/ Experiments | Week Due | Contact Hours |
|-----|---|-----------------|------------------|
| | - Introduction to the Course, | | |
| | - Distribution of Instruments | | |
| 1 | - Mounting of Plastic Teeth | 1 st | 3 |
| | - Review and Practice: Class I Occlusal and Buccal | | |
| | Pit Amalgam Cavity Preparation | | |
| 2 | Demonstration and Practice: Class II Amalgam Cavity | الأمارانية 3rd | 6 |



| | Case Studies and Practical Aspect: | Wash Day | Contact |
|------------|---|-----------------------------------|---------|
| No. | Tasks/ Experiments | Week Due | Hours |
| un Pron or | Preparation on lower and upper molars | | |
| 3 | Demonstration and Practice: Class II Amalgam Cavity Preparation on lower and upper premolars | 4 th 5 th | 6 |
| 4 | Demonstration and Practice: liner and base, Matrix Formation and Placement & Amalgam Restorations | 6 th | 3 |
| 5 | Practice: Matrix Placement and Amalgam Restorations on all Class II cavities | 7 th | 3 |
| 6 | Demonstration and Practice: Class II (MO-OL) Amalgam Preparation and restoration | 8 th | 3 |
| 7 | Demonstration and Practice: Finishing and Polishing of various Amalgam Restorations - Class I and Class II | 9 th | 3 |
| 8 | Demonstration and Practice: Cavity Preparation and restorations for Composite Resin on upper and lower centrals and laterals, Class III Lingual Approach, | 10 th 11 th | 6 |
| 9 | Demonstration and Practice: Cavity Preparations and restorations for Composite Resin on upper anterior teeth, Class IV (Traumatic) | 12 th | 3 |
| 10 | Demonstration and Practice: Preparation and restorations for Composite Resin on anterior and posterior teeth, Class V Facial Cavities | 13 th | 3 |
| 11 | Demonstration and Practice: Finishing and Polishing of Composite Resin Restorations | 14 th | 3 |
| 12 | Practical Exam | 15 th | 3 |
| | Number of Weeks /and Units Per Semester | 15 | 45 |





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VI. Teaching Strategies of the Course:

- Lectures
- Presentations
- Demonstrations
- Discussions
- Seminars
- Practical Sessions
- Self-Learning

VII. Assessment Methods of the Course:

- Quizzes
- Midterm Exam
- Final Exam
- Practical Exam
- Semester work
- Direct observation

| No. | Assignments | Week Due | Mark |
|-----|---|------------|------|
| 1 | Semester work: - practical laboratory work and Requirements | 2nd – 14th | 10 |





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IX. Schedule of Assessment Tasks for Students During the Semester:

| No. | Assessment Method | Week Due | Mark | Proportion of Final Assessment |
|-------|-------------------|------------------------------------|------|-----------------------------------|
| 1 | Assignments | 2 nd – 14 th | 10 | 10% |
| 2 | Quiz | 6 th | 5 | 5 % |
| 3 | Midterm Exam | 8 th | 20 | 20 % |
| 4 | Practical Exam | 15 th | 15 | 15 % |
| 5 | Final Exam | 16 th | 50 | 50 % |
| Total | | | 100 | 100 % |

X. Learning Resources:

1- Required Textbook(s):

Theodore Roberson, Harald O. Heymann, 2013: Sturdevant's Art and Science of Operative Dentistry, 6th Edition, Mosby, USA.

Hilton, Thomas J.; Ferracane, Jack L., and Broome, James, 2013: Fundamentals of Operative Dentistry: A Contemporary Approach, Fourth Edition, Quintessence, USA.

2- Essential References:

- 1- A. J. E. Qualtrough, Julian Satterthwaite, Leean Morrow, and Paul Brunton, 2009: Principles of Operative Dentistry, John Wiley & Sons, USA.
- 2- Nisha Garg, Amit Garg, 2015: Textbook of Operative Dentistry. 3rd Edition, JP Medical Ltd, India.
- 3- Harpreet Singh, 2011: Essentials of Preclinical Conservative Dentistry, 2nd Edition, Walter Kluwer, Netherland.

3- Electronic Materials and Web Sites etc.:

XI. Course Policies: (Based on the Uniform Students Bylaw (2007)

EMIRATES INTERNAPONAL



| 1 | Class Attendance: Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes. | | |
|---|--|--|--|
| 2 | Tardiness: A student will be considered late if he/she is not in class after 10 minutes of the start time of class. | | |
| 3 | Exam Attendance/Punctuality: No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed. | | |
| 4 | Assignments & Projects: Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same. | | |
| 5 | Cheating: Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply. | | |
| 6 | Forgery and Impersonation: Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply. | | |
| 7 | Other policies: The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration. | | |

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