**National Commission for Academic Accreditation & Assessment**

**Course Specification**

Introduction to the Dental Profession, DTEDU121, Fall 2014

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

**A Course Identification and General Information**

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| 1. Course title and code:Introduction to the Dental Profession, DTEDU121 |
| 2. Credit hours: 1 |
| 3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs): Bachelor of Dental Surgery |
| 4. Name of faculty member responsible for the course: Dr Jehan AlHumaid |
| 5. Level/year at which this course is offered: 2ndyear |
| 6. Pre-requisites for this course (if any): none |
| 7. Co-requisites for this course (if any): none |
| 8. Location if not on main campus: College of Dentistry and main campus |

**B Objectives**

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| 1. Summary of the main learning outcomes for students enrolled in the course.  The course aims at giving the students an introduction to the skills of reading and summarizing scientific articles, scientific writing and literature search. |
| 2. Briefly describe any plans for developing and improving the course that are being implemented: Course content will be modified from the content of the course version delivered last academic year (2013- 2014). The content is now focused on delivering the principles of the two first steps of Evidence Based Dentistry (EBD) including basics of needed knowledge and skills. It is designed to be the first of three courses. This course develops the skills of formulating a PICO question and searching for evidence with emphasis on reading scientific publications, summarizing and writing scientific reports (Ask and Acquire). This academic year’s version of the course stresses more on searching for evidence, recognizing and avoiding plagiarism and citing references. |

**C. Course Description**

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| 1 Topics to be Covered | | |
| List of topics | NWeeks | Contact hrs |
| Introduction to course & Principles of Evidence Based Dentistry | 1 | 1 |
| Formulation of PICO question | 1 | 1 |
| Searching for evidence | 4 | 4 |
| Scientific presentations | 1 | 1 |
| Writing and Plagiarism | 2 | 2 |
| Article(s) summarization | 2 | 2 |
| Article review and summarization assignment discussion | 1 | 1 |

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| 2 Course components (total contact hours per semester): | | | | |
| Lecture:4 | Tutorial:8 | Laboratory: 2 (computer lab) | Practical/Field /Internship: 0 | Other:1 (Exam) |

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| 3. Additional private study/learning hours expected for students per week. 1 |

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| 4. Development of Learning Outcomes in Domains of Learning |
| **a. Knowledge**  **Program outcome: #28: Discuss the steps for evidence-based decision making.** |
| (i) Description of the knowledge to be acquired   1. Discuss the principles of Evidence Based Dentistry 2. List the elements of a PICO question 3. Enumerate steps of undergoing a literature search 4. Describe the criteria of successful scientific presentations |
| (ii) Teaching strategies to be used to develop that knowledge  Lectures |
| (iii) Methods of assessment of knowledge acquired  Written exam |
| **b. Cognitive Skills**  **Program outcome: #15: Assess the quality of published articles to use their conclusions in clinical practice.** |
| (i) Description of cognitive skills to be developed   1. Formulate a PICO question 2. Develop a strategy to search for evidence 3. Use Information Technology to search for and retrieve dental literature 4. Prepare written scientific reports to summarize a publication/ number of publications. |
| (ii) Teaching strategies to be used to develop these cognitive skills   1. Lectures 2. Class discussion 3. Computer lab session |
| (iii) Methods of assessment of students cognitive skills   * Group assignments |
| **c. Interpersonal Skills and Responsibility** |
| (i) Description of cognitive skills to be developed  Not applicable |
| (ii) Teaching strategies to be used to develop these skills and abilities  Not applicable |
| (iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility  Not applicable |
| **d. Communication, Information Technology and Numerical Skills** |
| (i) Description of the skills to be developed in this domain.  Not applicable |
| (ii) Teaching strategies to be used to develop these skills  Not applicable |
| (iii) Methods of assessment of students numerical and communication skills  Not applicable |
| **e. Psychomotor Skills (if applicable)** |
| (i) Description of the psychomotor skills to be developed  Not applicable |
| (ii) Teaching strategies to be used to develop these skills  Not applicable |
| (iii) Methods of assessment of students psychomotor skills  Not applicable |

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| 5. Schedule of Assessment Tasks for Students During the Semester | | | |
| N | Assessment task | Week due(Date) | % of Final Assessment |
| 1 | Search for evidence assignment 1 | See schedule | 15% |
| 2 | Search for evidence assignment 2 | See schedule | 15% |
| 3 | Summarization assignment | See schedule | 10% |
| 4 | Answering a PICO question (PICO+ Search+ Summary of at least 3 articles) 1 | See schedule | 15% |
| 5 | Answering a PICO question (PICO+ Search+ Summary of at least 3 articles) 2 | See schedule | 15% |
| 6 | Exam 1 | See schedule | 10% |
| 7 | Final written exam | See schedule | 20% |

**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)  Dr Jehan AlHumaid, Director   * Office hours: Sunday 10-12 AM, Monday 1-3 PM * Email: jaalhumaid[@ud.edu.sa](mailto:mmtantawy@ud.edu.sa)   Dr Maha ElTantawi   * Office hours: Monday and Tuesday, 9-11 * Email: [mmtantawy@ud.edu.sa](mailto:mmtantawy@ud.edu.sa)   Dr Shazia Sadaf   * Office hours: Monday and Tuesday, 10 - 12 * Email: [ssahmad@ud.edu.sa](mailto:ssahmad@ud.edu.sa) |

##### E Learning Resources

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| * + - 1. Required Text(s): Forrest JL, Miller SA, Overman PR, Newman MG. Evidence- based decision making: A translational guide for dental professionals. Philadelphia: Lippincott Williams & Wilkins, 2009. |
| * + - 1. Essential References : None |
| * + - 1. Recommended Books and Reference Material (Journals, Reports, etc) (Attach List):None |
| * + - 1. Electronic Materials, Web Sites etc: None |
| * + - 1. Other learning material such as computer-based programs/CD, professional standards/regulations: None |

**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.): class room with adequate seats for 40-55 students with chairs that can be arranged in a circle/ semi-circle. |
| * + - 1. Computing resources: Computer lab with access to the internet and to the digital library of the University of Dammam |
| * + - 1. Other resources (specify --eg. If specific laboratory equipment is required, list requirements or attach list) : None |

**G Course Evaluation and Improvement Processes**

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| * + - 1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching: End of semester course and teacher evaluation survey. |
| * + - 1. Other Strategies for Evaluation of Teaching by the Instructor or by the Department: Student feedback during sessions. |
| * + - 1. Processes for Improvement of Teaching: student grades and feedback will be checked against course objectives and teaching team self-assessment and weaknesses acted upon in future improvement plans. |
| * + - 1. 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): assignments will be checked for plagiarism by plagiarism detection software to be provided by the University. Grading rubrics will be used to score assignments and calibration of the course team members will be performed so assignments can be marked by two calibrated examiners to the greatest extent possible. |
| * + - 1. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement: reviewing end of semester student feedback and grades with development of future plans for teaching course in next semesters/ academic years. |

**Appendix 1**

**Sessions schedule**

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| N | Week | Session date  (Female) | Content | Instructor |
| 1 | 31/8- 4/9 | 3/9 (1/9) | Introduction to course and principles of Evidence Based Dentistry | Dr ElTantawi |
| 2 | 7/9- 11/9 | 10/9 (8/9) | Formulation of PICO question and searching for evidence | Dr ElTantawi |
| 3 | 14/9- 18/9 | 17/9 (15/9) | Application: searching for evidence | Dr Sadaf |
|  | 21/9- 25/9 | 24/9 (22/9) | Application: searching for evidence | Dr Sadaf |
| 4 | 12/10-16/10 | 15/10 (13/10) | Search for evidence assignment (discussion) | Dr ElTantawi  Dr Sadaf |
| 5 | 19/10-23/10 | 22/10 (20/10) | Search for evidence assignment (discussion) | Dr ElTantawi  Dr Sadaf |
| 6 | 26/10-30/10 | 29/10 (27/10) | Exam 1 (males and females) |  |
| 7 | 2/11-6/11 | 5/11 (3/11) | Scientific presentations | Dr AlHumaid |
| 8 | 9/11-13/11 | 12/11 (10/11) | Writing and Plagiarism | Dr Sadaf |
| 9 | 16/11- 20/11 | 19/11 (17/11) | Plagiarism detection exercise | Dr Sadaf |
| 10 | 23/11- 27/11 | 26/11 (24/11) | Summarization exercise discussion | Dr ElTantawi  Dr Sadaf |
| 11 | 30/11- 4/12 | 3/12 (1/12) | Summarization assignment discussion | Dr ElTantawi  Dr Sadaf |
| 12 | 7/12- 11/12 | 10/12 (8/12) | Exercise for “PICO + Searching for evidence + Summary of at least 3 articles” | Dr ElTantawi  Dr Sadaf |
| 13 | 14/12- 18/12 | 17/12 (15/12) | Presentation and feedback on assignment 1 of “PICO + Searching for evidence + Summary of at least 3 articles” | Dr ElTantawi  Dr Sadaf |
|  | 21/12- 25/12 | 24/12 (22/12) | Presentation of assignment 2 of “PICO + Searching for evidence + Summary of at least 3 articles” | Dr ElTantawi  Dr Sadaf |

**Appendix 2**

**Evaluation methods**

**Topic weight in written exams**

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| Topic | Number of question in Exam1 & Final Exam |
| Principles of Evidence Based Dentistry | 5 |
| PICO question | 10 |
| Searching for evidence | 10 |
| Writing rules | 5 |
| Total | 30 |

**Plagiarism**

For groups/ individuals whose assignments show evidence of plagiarism: group/ individual gets zero and next assignment’s mark is reduced by 50%.

**“Search for evidence” assignment evaluation criteria**

Your group is given a clinical scenario where a patient has a problem. The group is required to formulate a PICO question and develop a strategy to search for evidence to answer the question you formulate. Each group has a different scenario. The evaluation criteria for your group assignment are as follows

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| --- | --- |
| **Point** | **Mark** |
| 1. PICO components | 1 |
| 1. Type / category of PICO question | 1 |
| 1. Search terms/ key words | 1 |
| 1. MeSH terms | 2 |
| 1. Limits: Publication dates, language,….. | 2 |
| 1. Use of Boolean operators | 1 |
| 1. Searching for secondary evidence | 1 |
| 1. Relevant results among first 20 search results | 1 |
| Total | 10 |

“Summarization” **assignments evaluation criteria**

Your group is given an article. The group task is to summarize the article and prepare a written report about this summary. Your work will be evaluated using the following criteria:

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| **Point** | **Mark** |
| 1. Punctuation , grammar and spelling | 1 |
| 1. Formatting (Portrait orientation, 2.5 cm margins all around, double spacing, , Times New Roman font size 12, justify) | 1 |
| 1. Paragraphing (one idea in one paragraph, new idea in new paragraph) | 0.5 |
| 1. Flow of ideas and sequencing | 1 |
| 1. Inclusion of main article points  * What do the students think are the most important knowledge, concepts, ideas, or issues in this chapter/article, and why? * Students identify 2 aspects of the reading that they don’t understand. What are the 2 main concepts, issues, or ideas that they are having difficulty understanding and how does this impact their general understanding of the chapter/article? * Student poses a question to the author, the answer to which will go beyond the scope of this chapter/article. | 1.5  1  0.5 |
| 1. Exclusion of redundancies and repetitions | 0.5 |
| 1. Absence of copied text | 1 |
| 1. You own conclusions about the article | 1 |
| 1. Sticking to 500 words max | 1 |
| Total | 10 |

**“PICO + Searching for evidence + Summary of at least 3 articles” evaluation criteria:**

Your group is given a clinical scenario. The group needs to develop a PICO question for the scenario and a strategy to search for evidence where a description of the search strategy and results are submitted. The group needs to select sources from among those identified in the search, explain why they selected it and prepare a written report summarizing them .Eventually, the group prepares a presentation to explain what was done and be ready to discuss the assignment. Your assignment will be evaluated as follows:

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| --- | --- |
| **Point** | **Mark** |
| Search for evidence / 10 |  |
| 1. PICO components | 1 |
| 1. Type / category of PICO question | 1 |
| 1. Search terms/ key words | 1 |
| 1. MeSH terms | 2 |
| 1. Limits: Publication dates, language,….. | 2 |
| 1. Use of Boolean operators | 1 |
| 1. Searching for secondary evidence | 1 |
| 1. Relevant results among first 20 search results | 1 |
| Written report / 10 |  |
| 1. Punctuation , grammar and spelling | 1 |
| 1. Formatting (Portrait orientation, 2.5 cm margins all around, double spacing, , Times New Roman font size 12, justify) | 1 |
| 1. Paragraphing | 2 |
| 1. Flow of ideas and sequencing | 1 |
| 1. Sticking to 500 words max | 1 |
| 1. Reference citation in text | 2 |
| 1. References list | 2 |
| Oral presentation / 5 |  |
| * Using criteria in attached oral presentation form |  |