

## Course Specification Student Version

|                      |                            |
|----------------------|----------------------------|
| <b>Course Title:</b> | Dental Informatics         |
| <b>Course Code:</b>  | GDC 212                    |
| <b>Department:</b>   | Common Sciences            |
| <b>Program:</b>      | Bachelor of Dental Surgery |
| <b>College:</b>      | Vision College in Riyadh   |
| <b>Institution:</b>  | Vision College in Riyadh   |
| <b>Revised :</b>     | July 2025                  |

## A. Course Identification

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|--|
| 1. Credit hours: 2 (1+1+0)                             |
| 2. Level/year at which this course is offered: Level 4 |
| 3. Pre-requisites for this course (if any): None       |
| 4. Co-requisites for this course (if any): None        |

## B. Teaching Methods

|   |                   |
|---|-------------------|
| 1 | Lecture           |
| 2 | Practical Session |
| 3 |                   |

## C. Course Description and Main objective

|   |
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| <b>1. Course Description</b><br>This course is using both lecture and laboratory practice, introduces students to computer concepts in hardware, software, networking, computer security, programming, database, e-commerce, decision support systems, and other emerging technologies such as blogs, wiki, RSS, podcasting, and Google applications.   |
| <b>2. Course Main Objective</b><br>Students learn techniques to search, evaluate, validate, and cite information found online. Widely used applications including word processing, spreadsheets, databases, presentation, and web development software are studied.   |
| <b>3. Course Main Objectives :</b><br>At the end of the course, the students should be able to: <ul style="list-style-type: none"> <li>• Apply basic computing concepts</li> <li>• Perform fundamental operating system functions</li> <li>• Use computers in a secure manner</li> <li>• Use common software applications, such as:</li> <li>• Create, save, retrieve text file</li> <li>• Create, manage, and manipulate numeric data present software – create presentations</li> <li>• Use the computer for Internet access and electronic communication.</li> <li>• Gain access to the University's computer system</li> <li>• Send and retrieve email</li> </ul> |

## D. Course Content

| No. | List of Topics   |
|-----|--|
| 1   | Health Informatics<br>Introduction To information Technology |
| 2   | Operating system advance                                     |
| 3   | Operating system advance                                     |
| 4   | Operating system advance                                     |
| 5   | Operating system advance                                     |

|    |                     |
|----|---------------------|
| 6  | M.S Word advance    |
| 7  | M.S Word advance    |
| 8  | M.S. Excel advance  |
| 9  | M.S. Excel advance  |
| 10 | M.S. Access advance |
| 11 | M.S. Access advance |
| 12 | M.S. Access advance |
| 13 | Practical Sessions  |

#### E. Assessment tools

| # | Assessment task       | Percentage of Total Assessment Score |
|---|-----------------------|--------------------------------------|
| 1 | Mid-term written Exam | 20%                                  |
| 2 | Assignment Evaluation | 10%                                  |
| 3 | Practical Evaluation  | 20%                                  |
| 4 | Seminar Evaluation    | 10%                                  |
| 5 | Final written Exam    | 40%                                  |
|   | <b>Total</b>          | <b>100%</b>                          |

#### F. Learning Resources

|                                     |   |
|-------------------------------------|---|
| <b>Required Textbooks</b>           | Dental Informatics GDC 212<br><a href="https://www.cs.auckland.ac.nz/courses/compsci105ssc/resources/CourseBook.pdf">https://www.cs.auckland.ac.nz/courses/compsci105ssc/resources/CourseBook.pdf</a> |
| <b>Essential Reference Material</b> |   |
| <b>Electronic Material</b>          | //  |