MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

| **Module Information**  **معلومات المادة الدراسية** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Module Title** | Web development | | | | **Module Delivery** | | |
| **Module Type** | Basic | | | | * **☒ Theory** * **☐ Lecture** * **☒ Lab** * **☐ Tutorial** * **☐ Practical** * **☐ Seminar** | | |
| **Module Code** | BMI321 | | | |
| **ECTS Credits** | 5.00 | | | |
| **SWL (hr/sem)** | 125 | | | |
| **Module Level** | | UGx1 3 | **Semester of Delivery** | | | | 6 |
| **Administering Department** | | BID | **College** | BMIC | | | |
| **Module Leader** | Usama Samir Mahmoud | | **e-mail** | usama.s.mahmoud@uoitc.edu.iq | | | |
| **Module Leader’s Acad. Title** | | Asst. Lecturer | **Module Leader’s Qualification** | | | | MSc |
| **Module Tutor** | Name (if available) | | **e-mail** | E-mail | | | |
| **Peer Reviewer Name** | | omar A. M | **e-mail** | omara.m@uoitc.edu.iq | | | |
| **Scientific Committee Approval Date** | | 18/06/2023 | **Version Number** | | | 1.0 | |

| **Relation with other Modules**  **العلاقة مع المواد الدراسية الأخرى** | | | |
| --- | --- | --- | --- |
| **Prerequisite module** | Computer programming II / BMI121 | **Semester** | 2 |
| **Co-requisites module** | None | **Semester** |  |

| **Module Aims, Learning Outcomes and Indicative Contents**  **أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية** | |
| --- | --- |
| **Module Aims**  **أهداف المادة الدراسية** | 1. The student should be able to understand and deal with HTML5, JavaScript, CSS3. 2. The student should be able to build sites, pages. 3. The student should be able to build a front-end interface for applications. 4. The student should be able to deal with sections and articles. 5. The student should be able to create tables and deal with rows, columns etc. 6. The student should be able to create forms inputs, file upload, dropdown etc. 7. The student should be able to embed multimedia images, audio and video. |
| **Module Learning Outcomes**  **مخرجات التعلم للمادة الدراسية** | 1. An ability to effectively integrate IT-based solutions into the user web environment. 2. Building front-end interfaces 3. Building a website 4. Publishing web-application on the world wild web. |
| **Indicative Contents**  **المحتويات الإرشادية** | **What we will covers in this course**   1. HTML5   Introducing the Internet and The Evolution of HTML, What’s in HTML5  Also creating an HTML5 Document   1. CSS3   Classes, selectors, id’s, and more the student to be familiar with styling the HTML5 documents with CSS3   1. Forms and Applications   The students should learn the basics of crating forms for web-application to be able to build web based systems in the future using forms inputs and lists ...etc. |

| **Learning and Teaching Strategies**  **استراتيجيات التعلم والتعليم** | |
| --- | --- |
| **Strategies** | The main strategy that will be adopted in delivering this module is to encourage students’ participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes and by considering types of simple experiments involving some sampling activities that are interesting to the students. |

| **Student Workload (SWL)**  **الحمل الدراسي للطالب** | | | |
| --- | --- | --- | --- |
| **Structured SWL (h/sem)**  **الحمل الدراسي المنتظم للطالب خلال الفصل** | 64 | **Structured SWL (h/w)**  **الحمل الدراسي المنتظم للطالب أسبوعيا** | 4 |
| **Unstructured SWL (h/sem)**  **الحمل الدراسي غير المنتظم للطالب خلال الفصل** | 61 | **Unstructured SWL (h/w)**  **الحمل الدراسي غير المنتظم للطالب أسبوعيا** | 4 |
| **Total SWL (h/sem)**  **الحمل الدراسي الكلي للطالب خلال الفصل** | 125 | | |

| **Module Evaluation**  **تقييم المادة الدراسية** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | | **Time/Number** | **Weight (Marks)** | **Week Due** | **Relevant Learning Outcome** |
| **Formative assessment** | **Quizzes** | 2 | 10% (10) | 1, 4 | LO #1, 2 and 4 |
| **Assignments** | 2 | 10% (10) | 2, 4 | LO # 3 and 4 |
| **Projects / Lab.** | 1 | 10% (10) | Continuous |  |
| **Report** | 1 | 10% (10) | 13 | LO # 2, 3 and 4 |
| **Summative assessment** | **Midterm Exam** | 2 hr | 10% (10) | 7 | LO # 1-3 |
| **Final Exam** | 3hr | 50% (50) | 16 | All |
| **Total assessment** | | | 100% (100 Marks) |  |  |

| **Delivery Plan (Weekly Syllabus)**  **المنهاج الاسبوعي النظري** | |
| --- | --- |
| **Week** | **Material Covered** |
| **Week 1** | Introduction – Internet, HTML5, JavaScript, CSS3 |
| **Week 2** | Setup the Environment, Choosing an Editor |
| **Week 3** | CSS3 Fundamentals - Anatomy of a CSS Rule, Formatting CSS |
| **Week 4** | Tags-Elements – HTML5 Elements, Nesting Elements, Tags in HTML5 |
| **Week 5** | Attributes - General Purpose Attributes, Interactive Attributes |
| **Week 6** | The Document - The Anatomy of an HTML5 Document |
| **Week 7** | The Document 2 - Title, Meta, Link, Media Type, body element |
| **Week 8** | Midterm exam |
| **Week 9** | Constructing Content - Sections, Article, Header, Footer, Aside |
| **Week 10** | Constructing Content 2 - Nav, Headings, Iframe, Lists |
| **Week 11** | Embedding Media - Embedding Images, Audio, Video |
| **Week 12** | Linking the Web - Anchors, Optional Attributes, Styling Anchors |
| **Week 13** | Tables |
| **Week 14** | Forms and Application - The form Element, The input Element, Structuring Forms |
| **Week 15** | Forms and Application 2 - Displaying Output, Interactive Elements, Styling Forms with CSS3,Projects - Web-application, websites. |

| **Delivery Plan (Weekly Lab. Syllabus)**  **المنهاج الاسبوعي للمختبر** | |
| --- | --- |
| **Week** | **Material Covered** |
| **Week 1** | Part 1/ Lab 1: HTML5 tags |
| **Week 2** | Part 2/ Lab 1: HTML5 tags |
| **Week 3** | Part 1/ Lab 2: HTML5 elements |
| **Week 4** | Part 2/ Lab 2: HTML5 elements |
| **Week 5** | Part 1/ Lab 3: CSS3 classes |
| **Week 6** | Part 2/ Lab 3: CSS3 classes |
| **Week 7** | Part 1/ Lab 4: HTML5 + CSS3 style |
| **Week 8** | Part 2/ Lab 4: HTML5 + CSS3 style |
| **Week 9** | Part 1/ Lab 5: Embedding Media |
| **Week 10** | Part 2/ Lab 5: Embedding Media |
| **Week 11** | Lab 6: HTML5 tables |
| **Week 12** | Complement lab 6 |
| **Week 13-14** | Lab 7: Form and Application |
| **Week 15** | Review |

| **Learning and Teaching Resources**  **مصادر التعلم والتدريس** | | |
| --- | --- | --- |
|  | **Text** | **Available in the Library?** |
| **Required Texts** | Foundation Html5 With Css3  By Craig Cook and Jason Garber | NO |
| **Recommended Texts** |  | No |
| **Websites** | https://www.w3schools.com/ | |

| **Grading Scheme**  **مخطط الدرجات** | | | | |
| --- | --- | --- | --- | --- |
| **Group** | **Grade** | التقدير | **Marks (%)** | **Definition** |
| **Success Group**  **(50 - 100)** | **A -** Excellent | **امتياز** | 90 - 100 | Outstanding Performance |
| **B -** Very Good | **جيد جدا** | 80 - 89 | Above average with some errors |
| **C -** Good | **جيد** | 70 - 79 | Sound work with notable errors |
| **D -** Satisfactory | **متوسط** | 60 - 69 | Fair but with major shortcomings |
| **E -** Sufficient | **مقبول** | 50 - 59 | Work meets minimum criteria |
| **Fail Group**  **(0 – 49)** | **FX –** Fail | **راسب (قيد المعالجة)** | (45-49) | More work required but credit awarded |
| **F –** Fail | **راسب** | (0-44) | Considerable amount of work required |
|  |  |  |  |  |
| **Note:** Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above. | | | | |