# School of Engineering and Computer Science

# Module Guide 2021

# Module Title: Web Scripting

# Module code: 7WCM0037

# Semester: B

# Number of Credits: 30

# Module Leader: Steve Bennett

# 1 Module Tutor(s)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Room | Tel Extension | Email | Mode of Contact | Drop-in times\* |
| Steve Bennett |  |  | s.j.bennett@herts.ac.uk |  |  |
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\* all resident School staff have at least two hours each week when they will *normally* be available for students to visit, without an appointment, if they have difficulty with academic subjects

# 2. Module Learning Outcomes

Successful students will typically....

1. have a knowledge and understanding of: [i] the abstract structure of web applications and common design patterns;
2. [ii] a range of approaches for implementing different web application components;

#### **11b. Learning Outcomes: Skills and Attributes:**

Successful students will typically....

1. be able: to systematically identify, analyse and communicate some of the constraints that the World Wide Web places on developers.
2. to systematically identify, select and use appropriate programming techniques to create and enhance simple web applications;
3. to critically analyse and work with a range of appropriate development tools and resources.

# 3. Module Study Time and Attendance Requirements

This module is designed to require 150 hours (15 credits) or 300 hours (30 credits) of your effort. This includes attendance at lectures, workshops, tutorials and laboratories but also independent study and completing your assignments. You are expected to read around the subject, using the reading list to guide you, and to prepare for lectures and tutorials in advance.

Total: 300 hours consisting of:

Class contact: 10 hours videos

3 Online Meetings (5 hours)

Directed Study Time: 175 hours summative assignments

50 hours directed self study

Non-directed Study Time: 50 hours

# 4. Assessment Regime

To pass this module you must pass overall

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Assessment Details** | | | | | | | | | | | | **Learning Outcomes Assessed** | | | | | |
| No. | Title/ Topic | Type: Formative (F) or Summative (S) | Individual (I), Group (G) or both (I/G) | % of total (Individual work) | Set Week | Hand-in Week | Target week for return of marked work | No. of hours (from Assignment Briefing Sheet) | Anonymously marked? | If not anonymously marked indicate reason | 1 | 2 | | 3 | 4 | 5 | Hardcopy submission? |
| 1 | Word Press E-Commerce | S | I | 20 | 25/01 | 22/02 | 21/03 | 40 |  |  | x | x | | x |  | x | N |
| 2 | PHP Prototype | S | I | 20 | 25/01 | 22/03 | 21/04 | 50 |  |  | x | x | |  | x |  | N |
| 3 | PHP Full Site | S | I | 40 | 25/01 | 19/04 | 18/05 | 50 |  |  | x | x | |  | x | x | N |
| 4 | Multiple Choice Test | S | I | 20 | 25/01 | 02/05 |  | 30 |  |  |  | x | |  | x |  | N |

# 5. Feedback

Marks and feedback that you see have been through a thorough process. When we design a piece of coursework, or write an examination paper, it is reviewed by colleagues, not just the module leader and for modules at level 5 and above an external examiner. We also take great care with your assessments once you submit them; this is the marking and moderation process and you might find it useful to watch this video to understand the process a little better: <https://www.youtube.com/watch?v=u2fa6G4WYQw>

Assessment No 1 – *Written Feedback*

Assessment No 2 - *Written Feedback*

Assessment No 3 – *Written Feedback*

Assessment No 4 – *Numerical Score + Written Debrief*

# 6. Academic Calendar

The week-by-week teaching plan is the Canvas module and it is structured in UNITS*.* The module guide will be available in the top unit of the Canvas module site.

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| --- | --- | --- | --- | --- |
| Week Number | **Beginning** | Microsite | Topics | **Hand-ins** |
| 27 | 25/01/2021 | Unit 1 | WordPress Basics |  |
| 28 | 01/02/2021 | Unit 2 | WordPress Design |  |
| 29 | 08/02/2021 | Unit 3 | WordPress Structure |  |
| 30 | 15/02/2021 | Unit 4 | HTTP, HTML, CSS and Development Environment |  |
| 31 | 22/02/2021 | Unit 5 | Generating Pages on the Server | Assignment 1 (24/02) |
| 32 | 02/03/2021 | Unit 6 | Application: a Product Catalogue (list and detail pages) |  |
| 33 | 09/03/2021 | Unit 7 | Debugging |  |
| 34 | 16/03/2021 | Unit 8 | Creating an Online Shop |  |
| 35 | 23/03/2021 | Unit 9 | Uploading Images, Filtering Searches, Likes | Assignment 2 (24/03) |
| 36 | 30/03/2021 | Unit 10 | Admin Tasks |  |
| **37** | 06/04/2021 |  |  |  |
| **38** | 13/04/2021 |  |  |  |
| 39 | 20/04/2021 |  |  | Assignment 3(19/04) |
| 40 | 27/04/2021 |  |  |  |
| 41 | 04/05/2021 |  |  | Test Sometime This Week |
| 42 | 11/05/2021 |  |  |  |

# 7. Other Useful Information

## 7.1 Serious Adverse Circumstances Affecting Performance

Please go to ASK Herts and enter “Serious Adverse Circumstances” for further guidance.

## 7.2 Penalties for Late Submissions

* For each day (or working day for hard copy submission only) for up to five days after the published deadline, coursework submitted late (including deferred coursework, but with the exception of referred coursework), will have the numeric grade reduced by 10 grade points until or unless the numeric grade reaches or is 40 (UG) or 50 (PG).
* Late submission of referred coursework will automatically be awarded a grade of zero (0).
* Coursework (including deferred coursework) submitted later than five days (five working days in the case of hard copy submission) after the published deadline will be awarded a grade of zero (0).
* Where genuine serious adverse circumstances apply, you may apply for an extension to the hand-in date, provided the extension is requested a reasonable period in advance of the deadline.

## 7.3 Reading Lists and Links

## All reading lists are created using the integrated Talis reading list software and are linked from UNITS as necessary.

## 7.4 Boards of Examiners

All marks awarded are provisional and subject to change until confirmed by a Board of Examiners.

Second Board of Examiners considers Semester B modules and modules spanning both Semesters

The results from all these Module Boards are then submitted to the Programme Board of Examiners alongside referrals and deferrals from 13th July 2020

The Programme Board decides whether each student may progress to the next year of study, or for final-year students what their degree classification will be. In all cases, their decisions are made within the regulations of the University and the Programme, but also in the best interests of the student concerned.

## 7.5 Appeals and Appeal Deadlines

In certain circumstances, you can appeal against decisions made by examiners (including members of staff marking your assignments) and Boards of Examiners. **However, there are very specific rules about the grounds on which you may appeal.** You have no right of appeal if you simply disagree with the mark awarded the grounds on which you can appeal, the deadlines and stages of appeal are described in UPR AS12 Appendix 1, easily found in ASK Herts which can be found on StudyNet.

In all cases, there are stages you should go through, starting with a discussion with your Module Leader.

The process of marking an examination paper is very thorough, with multiple levels of checking. If you wish to query an examination mark, the most effective way is to request feedback on the marked paper, using a form available from reception at C270 or online. Of course, if any errors are found whilst you are receiving feedback they will be corrected. Please do not use the appeals process, which is more cumbersome and does not provide feedback.

## 7.6 Evaluation of Previous Years

The current shape of the module has tried to implement ideas arising from a discussion between the tutor Steve Bennett and Ravi Ragoonath from CTC. Previously the WordPress assignments took place at the end of the module, but it was argued that it would be better at the beginning with the main PHP website part put to the end. In this way, it is hoped students can gain confidence before attempting the more technical assignments.

## 7.7 University of Hertfordshire Graduate Attributes

The University is committed to providing a culturally enriched and research-informed educational experience that will transform the lives of its students. Its aspiration for its graduates is that they will have developed the knowledge, skills and attributes to equip them for life in a complex and rapidly changing world. Each module contributes to the programme in satisfying the University’s stated Graduate Attributes. This is how this module makes that contribution.

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| --- | --- |
| **Professionalism, employability and enterprise** | Use of GIT, an essential, but difficult tool, used in IT projects everywhere |
| **Learning and research skills** | The ability to self teach different paradigms and frameworks |
| **Intellectual depth, breadth and adaptability** | Writing an essay comparing different frameworks. |
| **Respect for others** | Designing interfaces for all users |