**Purpose**

The Unit Outline provides you with information on how the training and assessment for this unit will be conducted.

**1. Unit and VET Lecturer Details**

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| --- | --- |
| **Unit Code** | ICTWEB411 & ICTWEB429 |
| **Unit Title** | Produce basic client side script for dynamic web pages & Create a markup language document to specification |
| **VET Lecturer Name** | David Auld |
| **Location** | Casuarina campus, Building Purple 12.3.22 |
| **Phone** | 08 8946 6334 |
| **Email** | [David.auld@cdu.edu.au](mailto:David.auld@cdu.edu.au) |
| **Application** | This unit describes the skills and knowledge required to operate a personal computer (PC) in a home or small office environment, including accessing files with application programs, sending and retrieving emails, using the internet, using peripheral devices and applying basic security procedures and power management settings.  It applies to individuals who require entry level information and communications technology (ICT) knowledge and literacy skills to perform a range of simple operation tasks.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| **Attendance Details** | Attendance is recommended, participation may also include work experience and/or industry participation.  It is expected that you inform your lecturer if you are going to be absent, and that you will need to make up the missed class work in your own time. |
| **Pre-requisite** | Nil |
| **Co-requisite** | Nil |
| **Work Health and Safety Instructions** | It is a requirement when on campus that you follow the WH&S guidelines of the University found in the [VET Student Guide.](http://www.cdu.edu.au/sites/default/files/mace/docs/VET-student-guide.pdf)  (http://www.cdu.edu.au/sites/default/files/mace/docs/VET-student-guide.pdf)  It is expected that you will adhere to the Workplace Work Health and Safety polices and when working in the office environment ergonomic principles must be observed. |

**2. Student Information**

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| **Student Support** | Student Administration and Equity Services provide general counselling; complaint resolution; equity information, assistance and support; disability support; indigenous academic support; international student support; language, literacy and numeracy support; student accommodation.  More information is available at:  [Student Services](http://www.cdu.edu.au/studentservices/) (http://www.cdu.edu.au/studentservices/) or  [VET Student Guide.](http://www.cdu.edu.au/sites/default/files/mace/docs/VET-student-guide.pdf)  (http://www.cdu.edu.au/sites/default/files/mace/docs/VET-student-guide.pdf) |
| **Recognition of Prior Learning (RPL)** | If you believe you already have the knowledge and skills to be able to demonstrate competence in this unit speak with your VET Lecturer as you may be able to apply for [Recognition of Prior Learning](http://www.cdu.edu.au/prospectivestudents/studyingatcdu/pathwaystostudy-rpl) (RPL).  (http://www.cdu.edu.au/prospectivestudents/studyingatcdu/pathwaystostudy-rpl) |
| **Reasonable Adjustments** | In the event that you have difficulty understanding or completing the training or assessment due to a disability, language barrier or other difficulties, notify your lecturer as soon as possible. You will be able to discuss with your VET lecturer ways to make reasonable adjustments to the training and assessment process. For example, it may be possible to complete a written assessment verbally, use assistive technologies or have the environment and resources adapted. |
| **Academic Appeals and Complaints Resolution** | If you require an extension of time, special consideration, or appeal against a final result in a unit, you should speak directly to your VET Lecturer. If you are unable to satisfactorily resolve your concern you should refer to the CDU Student Handbook for the process and/or contact:  [Student Administration and Equity Services](http://www.cdu.edu.au/saes) (http://www.cdu.edu.au/saes) or  [Complaints Management Unit.](http://www.cdu.edu.au/strategicservices-governance/complaints) (http://www.cdu.edu.au/strategicservices-governance/complaints). |

**3. Unit Outcomes**

On completion of this unit you will be able to demonstrate the following:

Evidence of the ability to:

* determine the dynamic functionality and requirements of web documents
* select the appropriate language
* design web documents with embedded script
* produce dynamic web page documents
* test and debug, the web document functionality
* document and gain client approval.
* design, create and save a document using a markup language, without using an automated code generation program
* use a text editor for generating the markup language code for use on common web browsers
* validate the markup document against the standards set by the World Wide Web Consortium (W3C).

To complete the unit requirements safely and effectively, the individual must:

* discuss the basic principles behind open platform programming
* describe client-side scripting and its application to dynamic web page design, including:
* events and event handlers
* internet operation related to servers and clients
* internet protocols
* standard generalised markup language (SGML)
* associated standards
* identify and outline, security restrictions on servers
* describe the difference between server-side and client-side scripting
* describe the standards associated with programming documentation.
* recognise and outline the use of markup languages including:
* dynamic hypertext markup language (DHTML)
* hypertext markup language (HTML)
* standard generalised markup language (SGML)
* virtual reality modelling language (VRML)
* extensible hypertext markup language (XHTML)
* extensible markup language (XML)
* identify and describe, standards applicable to a markup language
* summarise the range of available web browsers and their accessibility
* identify and describe, the issues of accessibility.

**4. Unit Delivery Plan**

|  |  |  |  |
| --- | --- | --- | --- |
| **Session name, date and time or duration** | **Learning topic/activity** | **Resources required by students** | **Assessment task** |
| 1 | Unit outlines Introduction & Assessment Tools Standards Mark-up Semantic mark-up Validation | Student should bring note taking materials (paper and pen) | Assessment tasks given out. |
| 2 | HTML 5  DOM  Hypertext  CSS  Separation of style & content |  |  |
| 3 | Tables  Images  Image maps  DIVs & Spans  Classes & IDs |  |  |
| 4 | CSS introduction  Accessibility  Forms (HTML5 Validation)  mailto: hrefs  Markup – HTML5 |  |  |
| 5 | HTML Forms  POST / GET  CSS form elements |  |  |
| 6 | Markup - HTML5  jQuery v Javascript  CSS3  jQuery introduction cont   * Using an online library   Local version  Basic syntax  Online resource location | Using jQuery Intro |  |
| 7 | jQuery   * JQuery UI * Event listeners * Effects (Basic) * datepicker() |  |  |
| 8 | jQuery   * Event listeners * Effects (Basic) * Red box animate() |  |  |
| 9 | Basic jQuery form validation  jQuery UI |  |  |
| 10 | Basic jQuery form validation  jQuery UI |  |  |
| 11 | jQuery interaction  Regular expressions |  |  |
| 12 | jQuery client side interaction  AutoComplete  Ajax implementation |  |  |
| 13 | jQuery client side interaction  Image galleries / sliders |  |  |
| 14 | Script documentation / writing styles  Assessment finalization |  |  |
| 15 | If required |  | Main assessment due |
| 16 | If required |  |  |
| 17 | If required |  |  |
| 18 | If required |  |  |

Your VET lecturer will provide you with a timetable which contains specific dates, times and locations of the delivery for this unit as well as information about how changes to the timetable will be communicated.

**5. Assessment Summary**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment task number** | **Assessment task name** | **Resources required by students** | **Due date** | **Number of assessment attempts allowed** |
| 1 | Portfolio | Main assessment tasks handout | 21/09/2019 | 3 |
| Choose a number | Choose a task |  | Click here to enter a date | Choose a number |
| Choose a number | Choose a task |  | Click here to enter a date | Choose a number |
| Choose a number | Choose a task |  | Click here to enter a date | Choose a number |

Additional information about the assessment tasks will be provided to you by you lecturer in a Student Assessment Guide for this unit. The assessment tasks have been mapped to the Training Package units of competency and meet all the elements, performance and knowledge evidence and assessment conditions. More information on this unit can be found at [Training.gov.au.](http://training.gov.au/Home/Tga) (http://training.gov.au/Home/Tga).

If you cannot complete an assessment task by the due date you must make alternative arrangements with your VET Lecturer before the due date.

Feedback will be provided by your VET lecturer on each assessment task. The final result for this unit will be recorded as Competency Achieved (**CA**), Not Yet Competent (**NYC**) or Insufficient Participation (**IP**). The results for individual assessment tasks will be recorded as Successful (**S)** and Unsuccessful (**U**). If you are deemed Unsuccessful for a task you will be advised by your VET lecturer and given the opportunity to resubmit.

Remember that your VET lecturer is your most important contact for information about assessment. Contact details are listed on the first page.