## Operating systems

**Recommended:** Windows 7, 8, or 10, Mac OSX 10.7+

**Mobile devices:** At present, due to the marginal performance of the My Moodle app, we recommend that on a mobile device you log in to webCampus using a normal web browser. This is particularly important if you are completing an assessment or activity that has a grading component.

## Computer Requirements

RAM: 1 GB (minimum) / 2 GB or more (recommended)

Recommended CPU: Intel Core Duo / minimum – Pentium 4, 1.3 GHz

Peripherals:

For online programs, students need the following:

1. Either a built-in camera or a camera connected to your computer (needed for online proctored exams)
2. Microphone and speakers, or headset combination - the latter is recommended for best audio quality and noise reduction.

## Internet speed

Use a broadband connection (256 Kbit/sec or faster) via cable, DSL, T1/T2 or USB wireless modem. This will ensure that you can view videos and online presentations.  
Dial-up access will be significantly slower and is not recommended.

## Internet browsers

Please use recent versions of [Mozilla Firefox](http://www.mozilla.com/en-US/firefox/ie.html) (Windows, Mac), [Google Chrome](https://www.google.com/intl/en_us/chrome/browser/) (Windows, Mac), and [Safari](http://www.apple.com/safari/) (Mac).

Please note:

* Firefox is the recommended browser to use on Windows computers to access webCampus. Internet Explorer and Edge are not recommended.
* Be aware that add-ons and toolbars can adversely affect a browser's performance.

## Settings

We recommend that the following be enabled in your browser for webCampus:

* Pop-ups (in both web browser and security software): If you leave pop-ups disabled, please add exceptions for **https://webcampus.uws.edu**. If you do not know how to do that, you can find instructions at this [wikiHow page](http://www.wikihow.com/Disable-Popup-Blockers).
* Cookies: If you disable cookies, please add the same exceptions in your browser security settings.

## [Plug-ins](https://student.unsw.edu.au/moodle-system-requirements) and Resources

* We recommend that you update to the latest versions of the [Adobe Flash Player](http://get.adobe.com/flashplayer/) and [Adobe Acrobat Reader](http://get.adobe.com/uk/reader/).

## Panopto viewing requirements

Recorded lectures will be provided by Panopto, a video platform service. Panopto requires industry-standard PC hardware components. Please treat the following configurations as the recommended baseline system configurations.

|  |  |
| --- | --- |
| **Operating Systems** |  |
| Microsoft | Windows XP SP2, Vista, 7, 8.X, 10 |
| Apple | Mac OS 10.4.8+ (Intel-based) (PPC-based NOT supported)  iOS 6+ |
| Processor | 1.8 GHz or higher |
| Memory | 512MB |
| Network Bandwidth | 50 Kbps for audio only presentations. 300 Kbps for presentations with one video stream, audio, PowerPoint and screen capture. 500 Kbps for presentations with multiple video streams. |
| Applications | Adobe Flash Player & Microsoft Silverlight 2.0+ for Legacy content |
| Supported Browsers | Internet Explorer 8+, Firefox, Chrome, Safari |

*\*Flash is required to view embedded videos on a PC or Mac.  
\*\* Flash is required to view and produce statistical and analytic graphs.*

## AllofE/Examn

Examn is an electronic testing platform for the Doctor of Chiropractic Program. UWS has a device requirement of 3rd Generation or later Apple iPads for all students in the DC program.

To be able to take electronic tests at UWS, your device does not meet these requirements:

* Generation 3 or later
* Running iOS 8.0 or higher
* A 9.7 inch screen

## Vericite

Vericite is a plagiarism monitoring service that identifies possible plagiarized or improperly cited text in online submissions. The automatic service checks submitted work against online resources and previous UWS submissions.

## Zoom

For online course, live lectures and meetings with instructors will use Zoom, an online conferencing software tool. Meeting links are posted in your course content for accessing the session. Participation requirements for live meetings vary. Check the course syllabus for details.

### **System Requirements**

* An internet connection – broadband wired or wireless (3G or 4G/LTE)
* Speakers and a microphone – built-in or USB plug-in or wireless Bluetooth
* A webcam or HD webcam - built-in or USB plug-in

### **Supported Tablet and Mobile Devices**

* Surface PRO 2 running Win 8.1
* Surface PRO 3 running Win 10
* iOS and Android devices

### **Recommended Processor and RAM Requirements**

* Processor – Dual Core 2Ghz or Higher (i3/i5/i7 or AMD equivalent)
* RAM – 4Gb

## ProctorU

Online proctored exams employ the services of ProctorU. Proctored exams are remotely monitored by a live proctor or automated system.

### **System Requirements**

|  |  |  |
| --- | --- | --- |
| **Type** | **Minimum** | **Recommended** |
| Web Camera | 640x480 resolution | 1280x720 resolution |
| PC Users | Windows Vista | Windows 10 (10 S is not supported) |
| Mac Users | OS X 10.5 or higher | OS X 10.13 High Sierra |
| Internet Download Speed | 768 Mbps | 1.5 Mbps |
| Internet Upload Speed | .384 Mbps | 1 Mbps |

### **Additional Hardware Requirement**

* A functioning microphone and speakers (some web cameras have them built-in)

**Note:** Google Chromebooks and Tablets are not supported by ProctorU for completing proctored exams.