



## Technical Requirements for Online Students

### For Apple computers:

- At least MAC OSX or better
- Sound card, speakers or headphones and microphones (built in or external)
- Webcam (built in or external)

### For PC computers:

- Windows XP Operating System or better
- Sound card, speakers or headphones and microphone (built in or external)
- Webcam (built in or external)

### For all computers:

- 1GB RAM
- 1GB free disk space
- JavaScript must be enabled
- JAVA must be installed and enabled
- Cookies must be enabled
- Pop-up blocker is turned off
- Adobe reader plugin installed (for reading PDF documents)
- Flash plugin installed
- Apple Quicktime plugin installed

### Internet Service Provider

- 300 kbps high speed internet connection (ADSL or Cable) is recommended.

### Browsers:

- Mac: Firefox (newest version), Chrome (newest version), Safari 5.1 or 6.0
- PC: Firefox (newest version), Chrome (newest version), Internet Explorer 9 or 10

### Applications (the programs you have on your computer)

- Word processing program like Microsoft Word or Pages.
- Presentation software like Microsoft PowerPoint or Keynote.
- Skype (for courses requiring collaboration). Note, Skype is not supported by the University of Winnipeg.