



## Anatomy of the brain

The 'Anatomy of the Brain' online course is an eight week course with an approximate time commitment of four hours per week. Some people will spend longer than this. There are readings and online activities to engage in, as well as suggested tasks to do with your students, for those of you working in the classroom setting. There is an expectation that you will participate in online discussion boards by posting your responses to key questions and your reflections about particular activities. We will also try to fit in some synchronised events like Skype linkups. These will be done in the evenings for those people available at the designated dates and times. It will be difficult to choose times that suit everyone. John Joseph will be involved in these events as a guest.

Each week there will be a study guide that outlines the tasks and focus activities. The advantage of doing professional development (PD) online is that you can self pace and fit your learning around work and family commitments each week. Some of you may choose to do the majority of the online course work in the evenings or on weekends, so a home computer with broadband would be an advantage.

At the conclusion of the course participants should be able to:

- describe ways that scientists examine brains
- use this information to inform teaching practice
- use language about processes involved in thinking, emotions and learning
- examine a brain by direct experience/dissection
- locate ten parts of a brain and describe their function
- understand the frailty of this major organ
- reinforce the terminology of learning with students
- describe the microscopic cells that make up the brain's structure
- understand how the brain grows and changes throughout our lives
- describe brain chemicals and their purposes
- explain how memories are formed
- outline different types of memory
- understand the role of the hippocampus in new learning

There is no formal assessment for this course and no accreditation given. People who wish to receive a certificate describing their participation in the course can request this at the course conclusion.

The course was written by John Joseph and it is the first of a series of stand alone courses under the banner 'Learning to Learn with the Brain in Mind'. For more information about John and his work please go to [www.focusededucation.com.au](http://www.focusededucation.com.au).

For more information and to register for the course please go to [www.learningplace.eq.edu.au](http://www.learningplace.eq.edu.au). You will see 'The Anatomy of the Brain by John Joseph' listed in the course calendar.

Julia Broad  
Course Facilitator