

# 開授課程大綱

\*課程大綱包括:修課條件、課程目的、課程內容、上課方式、成績評量、參考書目...等

**課程名稱：語言之造影專題研究（中文課程大綱）：** 這門課分成課堂上課

及實驗室操作兩部分。課堂上課將介紹功能性磁振造影的物理原理，資料分析，與實驗設計。並探討如何將功能性磁振造影運作在語言的研究上。實驗室操作將讓學生實際功能性磁振造影的資料收集與資料分析。同學們在學期結束前，將被鼓勵試著提出自己的研究計畫，並收集與分析資料，解釋分析的結果，撰寫符合美國心理學會格式的研究報告。

**課程名稱：SUPERVISED RESEARCH IN NEUROIMAGING OF LANGUAGE（英文**

**課程大綱）：** This course is composed of lectures and laboratory practice. The lectures will introduce the physical principles, data analysis, and experimental design of functional magnetic resonance imaging (fMRI). We will apply the fMRI knowledge to language research. The laboratory practice will let students have a chance to collect fMRI data and conduct data analysis themselves. Finally, students will be encouraged to propose their own projects, collect and analyze data, interpret the results, as well as write up reports in American Psychological Association (APA) format.

授課老師: 周泰立

成績評量: 上課參與及實驗室操作各佔 50%

參考書目: Huettel, Song, & McCarthy (2004). Functional magnetic resonance imaging