

課程大綱及進度表

開課系所	心理學系	開課學年	105 學年	開課學期	第二學期																																																												
課程名稱(中文)	感覺與知覺	課程名稱 (英文)	Sensation and Perception																																																														
課程碼	D830500	分班碼	None																																																														
課程對應系(所、開課單位)核心能力(全名)	邏輯推理及批判思考的能力 Logical reasoning and critical thinking ability. 語文與表達能力 Language and presentation ability. 溝通與合作能力 Communication and cooperation. 創新與領導能力 Creativity and leadership. 專業實踐與跨域能力 Professional practice and cross-disciplinary ability.																																																																
學分數	3	先修科目或先備能力	無																																																														
開課教師	黃碧群	e-mail	pichun_huang@mail.ncku.edu.tw	電話	56516																																																												
Office Hours	星期二 上午 9:00-12:00 或以 email 預約時間																																																																
課程概述 (中文、英文)	<p>感覺與知覺這門課涵蓋了生理學、心理物理學以及認知心理學。這門課探討人類的感官系統的功能以及人類的感官系統如何將外在的物理刺激轉變成大腦可以理解的訊息。課程中探討的議題包括了視覺、聽覺、味覺、嗅覺、體感覺等等。三小時的課程中，兩個小時將是以老師授課的方式進行，而一個小時則是以問題解決為基礎的討論方式進行。</p> <p>The study of perception involves a complex combination of physiology, psychophysics, and cognition. This course explores the functioning of human sensory systems and how physical stimuli are transformed into signals that can be understood by the nervous system. Topics covered in the course include vision, audition, taste, smell, touch, and proprioception. The class includes two parts: the first two hours is a lecture-based course and the third hour includes a problem-based learning discussion.</p>																																																																
教學目標	<p>Students will learn</p> <p>1) How the human body turns different physical stimuli into neural impulses (sensation).</p> <p>2) How we are able to make sense of the world around us based on the input from our five senses. At the conclusion of this course you should appreciate how your sensory perceptions are ‘all in your head’.</p> <p>3) Scientific reasoning about how we come to know the few things that we really know about sensory and perceptual processing mechanisms in humans and other animals.</p> <p>4) Team work and group discussion that are emphasized in the class so that you will also gain communicative and collaborative ability.</p>																																																																
授課課程大綱明細	<table><tr><th colspan="5">Schedule</th></tr><tr><th>Week</th><th>Date</th><th>Course</th><th>PBL Report/Project</th><th>Preview</th></tr><tr><td>1</td><td>2/22</td><td>Course orientation</td><td colspan="2">PBL regulations</td></tr><tr><td>2</td><td>3/1</td><td>Ch1 Introduction to perception</td><td>(1) Introductory Project</td><td>Ch1</td></tr><tr><td>3</td><td>3/8</td><td>Ch2 The beginnings of perception</td><td>(2) Psychophysics Project</td><td>Ch1</td></tr><tr><td>4</td><td>3/15</td><td>Ch3 Neural processing and perception</td><td>(3) Dark Adaptation Project</td><td>Ch2.</td></tr><tr><td>5</td><td>3/22</td><td>Ch4 Cortical Organization</td><td>(4) Receptive Fields Project</td><td>Ch3</td></tr><tr><td>6</td><td>3/29</td><td>Ch5 Perceiving objects and scenes</td><td>(5) Visual Pathways Project</td><td>Ch2~Ch4</td></tr><tr><td>7</td><td>4/5</td><td>Ch6 Visual Attention</td><td>(6) Object Perception Project</td><td>Ch5</td></tr><tr><td>8</td><td>4/12</td><td>Ch7 Taking Action</td><td>(7) Attentional blindness Project</td><td>Ch6</td></tr><tr><td>9</td><td>4/19</td><td>Ch8 Perceiving Motion</td><td colspan="2">Attention blindness Project (Demo)</td></tr><tr><td>10</td><td>4/26</td><td>Ch9 Perceiving Color</td><td>(8) Motion Perception Project</td><td>Ch8</td></tr></table>					Schedule					Week	Date	Course	PBL Report/Project	Preview	1	2/22	Course orientation	PBL regulations		2	3/1	Ch1 Introduction to perception	(1) Introductory Project	Ch1	3	3/8	Ch2 The beginnings of perception	(2) Psychophysics Project	Ch1	4	3/15	Ch3 Neural processing and perception	(3) Dark Adaptation Project	Ch2.	5	3/22	Ch4 Cortical Organization	(4) Receptive Fields Project	Ch3	6	3/29	Ch5 Perceiving objects and scenes	(5) Visual Pathways Project	Ch2~Ch4	7	4/5	Ch6 Visual Attention	(6) Object Perception Project	Ch5	8	4/12	Ch7 Taking Action	(7) Attentional blindness Project	Ch6	9	4/19	Ch8 Perceiving Motion	Attention blindness Project (Demo)		10	4/26	Ch9 Perceiving Color	(8) Motion Perception Project	Ch8
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11	5/3	Ch10 Perceiving Depth and Size	(9) Color Perception Project	Ch9
12	5/10	Ch11 Hearing	(10) Depth Perception Project	Ch10
13	5/17	Ch12 Auditory localization and Organization 考前問題提問	(11) Hearing Project	Ch11
14	5/24	Mid-term exam	期中考 (Ch1~Ch10 選擇題+簡答題)	
15	5/31	Ch13 Speech Perception	期中考檢討 (12) Auditory Perception Project	Ch11~ Ch12
16	6/7	Ch14 The cutaneous Senses	(13) Speech Perception Project	Ch13
17	6/14	Ch15 The Chemical Senses 考前問題提問	(14) Cutaneous Senses Project 或 Taste Project	Ch14 or Ch15
18	6/21	9:10 ~ 10:20AM 期末考(Ch11~15 選擇題+簡答題)		
18	6/21	10:30 AM~ 1:00PM	密室逃脫之紙上談兵	

A Note on the Schedule: This preliminary schedule is subject to changes throughout the term. It is your responsibility to take note of any schedule changes that are announced in class. It is not a valid excuse to miss class for being unaware of a change in the schedule.

參考書目	Goldstein, E. B. (2017). Sensation and Perception, 10th Edition. Cengage Learning (雙葉書廊 蔡南義先生 0916023032) You may use the 9 th Edition. 參考網站: 葉素玲老師 知覺心理學課程網站 https://ceiba.ntu.edu.tw/course/a6b70d/index.htm
課程要求	1. 課程參與與討論 2. 作業準時繳交 3. 遵守上課規定(見備註)
評量方式	<p>30% : PBL Assignments</p> <p>40% : Exams (25% for midterm exam and 15% for final exam)</p> <p>20% : 密室逃脫之紙上談兵 (故事情節: 3 % ; 題目設計: 12%; 解他組習題: 5 %)</p> <p>10% : General class participation and effort (基本分數 10 分)</p> <p>5% : Bonus 加分標準: 上課認真聽講, 問問題, 回答問題, 下課討論, 最佳 PBL 作業</p> <p>Important:</p> <ol style="list-style-type: none"> The exam will cover the textbook and the material we have taught in the class. It is your responsibility to complete the assigned reading in your text, to study the material regularly, and to come to class prepared for the exam. There is generally 1) a multiple-choice section and 2) a conceptual short-answer & essay section. For the PBL activity, you will team up as a group of 5 for an in-class discussion. Due to the time restriction, four randomly chosen groups or volunteered groups will give an oral presentation in the class. The rest of the groups need to hand in a one-page report before the next class starts (the next Wednesday 9:10am). Overdue report is not acceptable. [每次 PBL 活動, 將重新分組一次。若該組成員未達 5 人, 則併或拆入其他組別。9:20 分前發放號碼牌, 不可互換號碼牌, 若發現互換號碼牌, 該成員當次討論以零分計算] 關於 PBL 評分: <ul style="list-style-type: none"> 甲、討論課未到一律不給分。請不要給人情分數, 一經發現該組以零分計算。助教會從旁觀察登記。 乙、討論課只現身不討論”正事”者, 該員亦以零分計算。助教會從旁觀察登記。 丙、討論中, 如參與者多時表現出不理解上課已教授課程內容者, 以 1 分計算。亦請不要給人情壓力分數。覺得自己只該獲得 1 分就請給自己 1 分。 丁、討論課請假者(須持假單), 可補繳交一人的 PBL 報告。

	4. For the proposal for Escape Room, each group (around 10 students) will need to present a proposal in the class and the audience will join the proposed games. Each game should contain a story line and at least 6 puzzles that are related to the concept of sensation and perception. The audience will vote the best 3 presentations.
課程網站	http://moodle.ncku.edu.tw
助教資訊	蔡博巨 poshiuan@outlook.com office hour: 星期三 下午 2:00~ 4:00
備註	<p>Notes to the students:</p> <p>所有作業必須準時繳交，逾時一律不予計分。期中考與期末考原則是「不補考」，除非有正式假單、有醫生證明之病假、或遇重大事故，則應儘早告知老師，並另排定補考時間。</p> <p>Course Policies</p> <p>Classroom Behavior:</p> <p>Needless to say, you're in university and that demands a certain degree of responsibility on your part to help support a positive learning environment for all students in the classroom. In that case, let's be clear about some of the specific rules for this course that should be followed whenever you're in the classroom:</p> <p>1) Things That Go “Beep” in the Classroom: No cell phones or electronic devices should be used at any time during class! This includes chatting, talking, texting, face booking, lining, listening to music or taking photos for notes. I do not mind taking notes by laptop or Tablet PC. However, hand-writing note-taking is a wonderful skill to have. Please turn off any devices BEFORE class starts. Please leave class to answer an emergency call.</p> <p>甲、上課遲到者(以9:20AM為準)，課程參與分數一次扣1分。[遲到簽到表，助教協助]</p> <p>乙、無故未到課者，無法扣分，但不可參加PBL討論，亦無法單獨繳交PBL報告</p> <p>丙、上課滑手機者，課程參與分數一次扣1分。[可出示滑手機內容證明與上課內容相關，則不扣分]</p> <p>丁、課程參與分數為總分10分，採扣分制度，扣至10分為止。</p> <p>2) Respecting Your Classmates: If another student is talking, please give him/her your full attention and do not interrupt. If you disagree with something s/he says, you must respond in a respectful manner. This means addressing the issue or idea, NOT the person.</p> <p>Suggestions to the teacher:</p> <p>If you have any comments and suggestions about the teacher, teaching methods, or problems encountered during the class, please response as soon as possible. Don't wait until there is no chance to improve anything.</p> <p>Cheating and Plagiarism:</p> <p>Cheating and plagiarism in any form will not be tolerated. Examples of cheating and/or plagiarism include but are not limited to the following: copying from another student's exams/assignments or letting another student copy off your exams/assignments; copying the written work of another writer without giving proper credit (e.g., citations, references, footnotes, etc...); falsifying records (e.g., research forms, documentation, etc...). Any student caught cheating or plagiarizing will receive a zero and the appropriate administrative personnel will be notified of the situation.</p>