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開課班級：四熱農一A

授課老師：張智皓

學分數：2

課程大綱：

Critical thinking are important characteristics that distinguish humans from other animals. In the modern era of information explosion and rampant misinformation, it is crucial to learn how to filter and analyze information. Philosophy is one of the rare academic disciplines that specifically studies "Critical thinking." Philosophers pay special attention to the quality and appropriateness of arguments. This course will introduce various argumentation techniques employed by philosophers. Once these argumentation techniques are learned, their application extends beyond the field of philosophy and becomes relevant to all academic disciplines as well as our daily lives. In this course, we will first introduce the basic tools of philosophers, such as what constitutes an argument and what qualities make a good argument. We will also explore arguments that intrinsically bad in their form. Once we have a certain level of understanding of these basic tools, we will delve into advanced argumentation tools, including various reasoning methods commonly used by philosophers. Furthermore, we will explain how to analyze and evaluate arguments, and how to examine the connections between premises and conclusions. Throughout the course, we will provide philosophical cases, daily examples, statistical cases, and other supporting materials to illustrate the course content.

outline:

We hear the term "critical thinking" in our daily life, and have a general understanding of it. It's essentially the art of reasoning. We all engage in reasoning in our everyday lives, and many times we can make successful conclusions. However, without a systematic study of this skill, it's easy to get distracted by other factors, leading to false or inappropriate reasoning. So, this class is all about introducing 'reasoning' in a structured way.

教學型態：

課堂教學

成績考核方式：

平時成績:25%

期中考:25%

期末考:30%

其它:Attendance 20%%

本科目教學目標：

Throughout our lives, humans are constantly faced with various forms of reasoning and decision-making. The fundamental spirit of critical thinking lies in effectively analyzing data and applying information, drawing appropriate conclusions through proper reasoning and inference. A good reasoning approach can help us be efficient and accurately derive conclusions, assisting us in making important and crucial decisions in life. The main objective of this course is to enable students to have a certain level of understanding of appropriate reasoning methods and argument evaluation techniques, and to have the ability to apply them in their daily lives.

參考書目：

Textbooks: Fosl, P. S., & Baggini, J., 2020, The Philosopher 's Toolkit: A Compendium of Philosophical Concepts and Methods, Wiley Blackwell. Missimer, C. A., 2004, Good Arguments: An introduction to



Critical Thinking, Pearson. References: 1. Patten, B. M., 2004, Truth, Knowledge, or Just Plain Bull: How to Tell the Difference, Prometheus Books. 2. Sinnott-Armstrong, W., 2018, Think Again: How to Reason and Argue, Pelican.



課程進度表：

週次	起訖月日	授課單元(內容)	備註
第1週	9.11~9.18	Syllabus and course introduction	19日正式上課。19~23日加退選，復(轉)學生及延修生選課，雙主修、輔系申請，23日申辦抵免學分截止日
第2週	9.18~9.25	Argument, premises and conclusion	28日和平紀念日(放假)
第3週	9.25~10.02	Deduction, induction and validity	
第4週	10.02~10.09	How to argue against an argument	11日成績優異提前畢業者提出申請截止日,14日第1次校教評會
第5週	10.09~10.16	Abduction and Hypothetical-deductive-method	
第6週	10.16~10.23	Arguments from analogy	
第7週	10.23~10.30	Scientific inference	3日(三)校慶補假(112年11月25(六)日校慶活動日)。4日(四)兒童節、民族掃墓節(放假)，5日(五)民族掃墓節補假
第8週	10.30~11.06	Review before the mid-exam	10日校課程委員會。11日第2次校教評會
第9週	11.06~11.13	Mid-term exam	15~21日期中考試
第10週	11.13~11.20	Philosophical case: lottery paradox	22~26日學士班申請轉系,27~28日四技二專統一入學測驗,28日教師期中成績上網登錄截止日
第11週	11.20~11.27	Philosophical case: Newcomb ' s paradox	
第12週	11.27~12.04	Philosophical case: Gibbard ' s paradox	11日多益測驗(暫定)
第13週	12.04~12.11	Fallacious reasoning	16日第3次校教評會。19日博士班招生(暫定)
第14週	12.11~12.18	Biased reasoning	20~24日體育運動週，22日水上運動會(暫定),24日申請停修課程截止
第15週	12.18~12.25	Statistic reasoning	27~31日藥物濫用防制宣導週
第16週	12.25~1.01	group presentation (1)	3日校務會議。3~9日畢業班(學士)期末考試。
第17週	1.01~1.08	group presentation (2)	10日端午節(放假)，12日畢業班授課教師送交學期成績截止
第18週	1.08~1.15	group presentation (3)	17~23日期末考試