UNIVERSITY of NICOSIA

Course Syllabus

Course Code	Course Title	ECTS Credits
PSD-490	Theories of Intelligence	6
Prerequisites	**Department**	**Semester**
PSD-260	Social Sciences	Spring
Type of Course	**Field**	**Language of Instruction**
Elective	Psychology	English
Level of Course	**Lecturer(s)**	**Year of Study**
1st Cycle	Prof Marios Constantinou	4th
Mode of Delivery	**Work Placement**	**Corequisites**
Distance Learning	N/A	None

Course Objectives:

The main objectives of the course are to:
- Help students understand the nature and function of human intelligence.
- Present the students the contemporary and classical theoretical perspectives of intelligence.
- Discuss the multicultural issues related to the assessment of intelligence.
- Compare and contrast the theoretical perspective pertaining to intelligence.
- Compare and contrast the different assessment methods.
- Discuss ethical implications surrounding the theories and assessment of intelligence.
- Apply AI in the exploration of Human Intelligence
- Compare and Contrast Artificial Intelligence with Human Intelligence

Learning Outcomes:

After completion of the course students are expected to be able to:
- Appreciate the main theories of intelligence.
- Comprehend how intelligence is measured in a multicultural context.
- Critically analyze and judge the different methods of intelligence assessment.
- Critique the different theoretical perspectives according to their advantages and disadvantages, based on bibliography and their own critical thinking.
- Appreciate ethical and multicultural issues that surround the theories of intelligence and its assessment.
- Comprehend the association between intelligence and other cognitive functions.
- Define general cognitive functioning and which areas of the brain are associated with cognitions related to intelligence.
- Comprehend the professional issues related to intelligence.

- Be able to have working knowledge of AI and its relationship with Human Intelligence.
- Be ready to discuss with others technological advances and how they affect human intelligence.

Course Content:

1. Introduction to the Concept of Intelligence-Philosophy and Science
2. Theoretical Perspectives
3. History of Intelligence
4. Research and Intelligence
5. Heritability and Intelligence
6. Environment and Intelligence
7. History of Intellectual Assessment
8. Ethical Concerns
9. Multicultural Concerns
10. Psychometric Theories
11. Contemporary Theories
12. Philosophy and Intelligence
13. Articial Intelligence and Human Intelligence
14. Artifical Intelligence, its future, and the future of Human Intelligence

Learning Activities and Teaching Methods:

12-week semester delivered via the university LMS. Asynchronous learning includes guided weekly study, recorded lectures, case studies, video-presentations, and practical exercises. Synchronous learning includes a minimum of 9 hours of live video conferencing sessions across the semester for in-class discussions, expert visits, critical discussions of past and current research, and Q&A. All synchronous sessions are recorded and available on the LMS.

Assessment Methods:

Continuous Assessment (40%): Mid-term exam, student presentations, weekly activities, online projects, paper. Final Examination (60%): Written final exam.

Required Textbooks / Readings:

Holm-Hadulla, R. M., Funke, J., & Wink, M. (2022). Intelligence: Theories and applications. Springer. Hawkins, J. (2021). A thousand brains: A new theory of intelligence. Basic Books.