| Course Title | Digital Cultural Heritage / Digital Heritage | | | |
|---|---|---|---|---|
| Course Code | CEI 361 | | | |
| Course Type | Cultural Informatics | | | |
| Level | | | | |
| Year / Semester | Spring Semester/2020-2021 | | | |
| Teacher's Name | Dr. Marinos Ioannides | | | |
| ECTS | 5 | Lectures / week | 2 | Laboratories / week |
| Course Purpose and Objectives | The Cultural Heritage field is a rapidly growing area represented in a number of professions. There are several reasons for an examination of cultural heritage documentation from an archival perspective. Governments, various people groups, and institutions have invested large amounts of financial and emotional capital in their cultural heritage. With documentation comes accountability, for many, it also helps define and promote individual, group, and national identity. What does this mean for an ICT specialist and/or an archivist or a librarian? Just like so many other areas of documentation, all the players in the cultural heritage sphere rely on the accessibility, preservation, and advocacy of digital records to better understand and interpret their world.<br><br>Without sound documentation cultural identity becomes unreliable, somewhat like an invalid form of identification needed in order to assert an individual's association or membership with a group or institution acquiring a solid grasp on the issues surrounding documentation and cultural heritage means having a broad understanding of a large and divergent group of interrelated fields. The cultural heritage field is populated with governmental and non-governmental organizations, archaeologists and anthropologists, historians, lawyers, museum curators, engineers and in more recent years, computer scientists. To further complicate the picture, the cultural heritage field has just seen exponential growth, but is undergoing rapid changes in its very nature due to the impact of multi-disciplinary know-how & technology. This course will also explore digital heritage, sometimes referred to as virtual heritage/archeology a primary focus emerging in the greater body of cultural heritage literature. | | | |
| Learning Outcomes | With this course, the students will be exposed on the vital role that digital archives, records, metadata, semantics and ontologies play in the cultural heritage fields. ICT specialists have an incredible opportunity to help shape cultural heritage in the way we organize records, provide access to them, and perform our role in helping to preserve the memory of the past, -groups, -places, and -attitudes, as well as other aspects that make up culture (tangible | | | |

| | |
|---|---|
| | and intangible). This will require students to learn to think a bit like a historian, relate to other cultures like an anthropologist, understand emerging technological trends like an ICT and engineer specialist, and mediate between interest groups like a politician. |
| Prerequisites | Students should have very good knowledge in Basic Geometry and Computer Programming. / Required / CEI 112 Introduction to Computing and Programming (C)<br>CEI 123 Object-Oriented Methodology and Programming (C ++) |
| Course Content | 1. Introduction to basic meanings of Digital Cultural Heritage<br>2. Destruction and disappearance of Cultural Heritage<br>3. Methods of recording, digitizing and preserving the Cultural Heritage<br>4. Basic forms of modeling structures of various objects (pictures, books, magazines, audiovisual material, 3D objects, etc.)<br>5. Simulation<br>6. Definition of data, metadata, ontologies<br>7. Analyse and design various applications and specific case studies.<br>8. Archiving and presentation<br>9. Computing and quality control<br>10. Standards in Cultural Heritage documentation<br>11. Digital Libraries, Europeana, Library of Congress, Memory of the World and re-use of the content |
| Teaching Methodology | Teaching will be through weekly lectures. At the same time, you will be given a semester work, as well as a series of small practical laboratory exercises. |
| Bibliography | Research Papers<br>Wikipedia<br>Europeana<br>Deliverables from EU Cultural Heritage projects |
| Assessment | The success of a student in the course requires a score of 4.5 or 10.0 on the final exam, regardless of the total number of points the student receives from the various assignments / exercises and the semester written exam. If a student scores less than 4.5 / 10.0 on the final exam, the semester grade for the course will be equal to the final exam grade |
| Language | Greek |