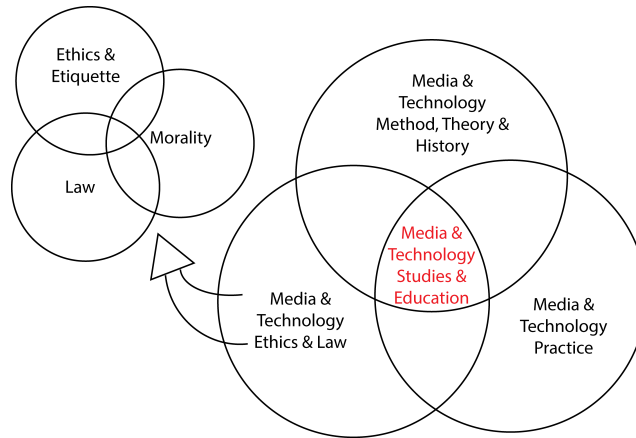




EDCP 570: Seminar in Teaching ICT

Lecture Notes

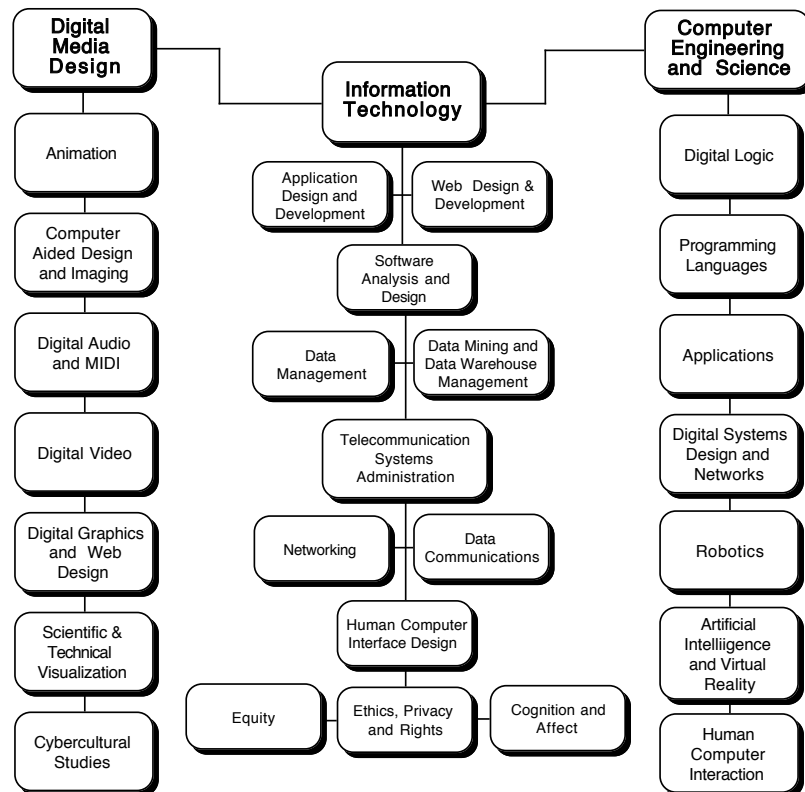
S. Petrina (19 November 2018)



Taxonomy of ICT

1. Taxonomies of ICT

a. Petrina (2007, pp. 383-386):



b. ICT

i. IT

1. Application Design and Development
2. Web Design & Development

3. Software Analysis and Design
4. Data Management
5. Data Mining and Data Warehouse Management
6. Telecommunication Systems Administration
7. Networking
8. Data Communications
9. Human-Computer Interface Design
10. Equity
11. Ethics, Privacy and Rights
 - a. Cybersecurity
12. Cognitive and Affective Computing
- ii. Computer Engineering and Science
 1. Digital Logic
 2. Programming Languages
 3. Applications
 4. Digital Systems Design and Networks
 5. Robotics
 - a. Animatronics & Mechatronics
 6. Artificial Intelligence and Virtual Reality
 - a. Machine Learning
 7. Human-Computer Interaction
- iii. Digital Design
 1. Animation
 2. Computer-Aided Design and Imaging
 3. Digital Audio and MIDI
 4. Digital Video
 5. Digital Graphics and Web Design
 6. Gaming
 7. Scientific & Technical Visualization
 8. Cybercultural Studies