|  |  |
| --- | --- |
| **ELEMENT** | **CONTENT** |
| DEPARTMENT | CIS |
| AUTHOR (S) | Jeremy Ouellette |
| COURSE NUMBER | **CIS 1120** |
| COURSE TITLE | **Introduction to Information Science & Technology** |
| SHORT TITLE | Intro to IS & Tech |
| COURSE LEVEL | 1000 |
| DATE CREATED | 8/30/2006 |
| CHECKED/CHANGED | 2/27/2017 |
| PREREQUISITES |  |
| COREQUISITES |  |
| RESTRICTIONS |  |
| SPECIAL FEES | No |
| CREDITS | 3 |
| HOURS | 3 hours of lecture per week |
| SEMESTER | Fall |
| COURSE DESCRIPTION | This course introduces the student to the world of IST across a broad range of topics including the history of computing, computing in society, career paths in computing, and the use of computers in the workplace. |
| SUGGESTED TEXTS |  |
| OPTIONAL TEXTS |  |
| COURSE OUTCOMES | The successful student will be able to:   1. Understand the context of computing in current society and business 2. Understand the social consequences of modern computing technology and the way that it’s used 3. Understand the historical development of computing technology and its impact on current decisions 4. Make informed choices about a computing major and upcoming technical electives 5. Understand the resources available to and expectations and responsibilities of a student at Vermont Tech |
| COURSE CONTENT | 1. Drivers of computing    1. Modeling the natural world    2. Counting and computing    3. Information Management 2. Enabled technologies    1. Telecommunication and networking    2. Privacy and secrecy    3. Media    4. Operations research (optional) 3. Foundations of computing    1. What is thinking?    2. Natural and artificial intelligence    3. Robotics 4. Fun    1. Gaming and graphics    2. The future 5. Resources available to students on their campus 6. Registration and other key processes 7. Appropriate behavior in and out of classrooms   The details of the course may vary somewhat over time to stay topical and reflect current issues and interests. Typically, the bulk of the class will cover several broad themes. For each of these themes, the class should consider the historical, social, ethical, business, and technological implications and development. |
| LAB/STUDIO OUTCOMES |  |
| LAB/STUDIO CONTENT |  |
| LECTURE CAPACITY | 32 |
| LAB CAPACITY |  |
| GRADED OR P/NP | Graded |
| EVALUATION | Assignments, quizzes, short papers, final exam |
| DELIVERY METHOD | Lecture |
| ROOM REQUIREMENTS |  |
| AUTHOR’S NOTES |  |