INFS: INFORMATION SYSTEMS

INFS 1000 Computer Applications (3,4 Credits)
Computer Applications study is designed to educate students to use computers effectively for business and personal applications. Its problem-solving feature prepares the student to analyze data, to develop critical thinking, and to discover effective solutions in real-life situations and in business problems. Students would gain competence in learning new software packages--a critical skill for future employment in this world of changing software. The study includes general concepts of Microsoft Office, and concentrates on the learning of word processing, spreadsheets, database and presentation graphics using the Microsoft Office suite. Highly Recommended (not required): Basic familiarity with computers is helpful, but no previous study of computers is assumed. Notes: Requires an IBM compatible computer (Apple machines are not supported). Students must have access to the Microsoft Office Suite (including Word, Excel, Access and PowerPoint) for use in the course. Students must also purchase the textbook that corresponds to the Microsoft Office software they will use to complete the course. This course was previously SMT-271454 Computer Applications.
Cross-listed with INFS 1001, INFS 1002.

INFS 1001 Computer Applications for Presentations (2 Credits)
Computer Applications for Presentations study is designed to educate students to use computers effectively for business and personal applications. Its problem-solving feature prepares the student to analyze data, to develop critical thinking, and to discover effective solutions in real-life situations and in business problems. Students would gain competence in learning new software packages--a critical skill for future employment in this world of changing software. The study includes general concepts of office suite and concentrates on the learning of word processing and presentation graphics applications. Basic familiarity with computers is helpful, but no previous study of computers is assumed. This course requires an IBM compatible computer (Apple machines are not supported). Students must have access to the Microsoft Office Suite for use in the course. If students have already taken INFS 1000 Computer Applications or equivalent, they should not register for Computer Applications for Presentations.
Cross-listed with INFS 1000.

INFS 1002 Computer Applications for Data Processing (2 Credits)
Computer Applications for Data Processing study is designed to educate students to use computers effectively for business and personal applications. Its problem-solving feature prepares the student to analyze data, to develop critical thinking, and to discover effective solutions in real-life situations and in business problems. Students would gain competence in learning new software packages--a critical skill for future employment in this world of changing software. The study includes general concepts of office suite and concentrates on the learning of spreadsheets and database applications. Basic familiarity with computers is helpful, but no previous study of computers is assumed. This course requires an IBM compatible computer (Apple machines are not supported). Students must have access to the Microsoft Office Suite for use in the course. If students have already taken INFS 1000 Computer Applications or equivalent, they should not register for Computer Applications for Data Processing
Cross-listed with INFS 1000.

INFS 1998 Individualized Studies in Information Systems (INFS) (1-8 Credits)
Students have the opportunity to develop individualized studies with their mentor in Information Systems (INFS). Registration for this class must be approved by the student's mentor.

INFS 2000 Exploring the Disciplines: Information Systems: Introductory (2 Credits)
Through this course, students will be exposed to the discipline of information systems and its major areas of professional application. Students will use resources such as articles (print and online), databases and each other to gain a broader perspective of this discipline. Notes: This course is open to all students. Students should not include this course twice in their degree program. This course can only be taken once, either at the lower level, or at the upper level. This course can be used towards Educational Planning. Students taking this course for educational planning credit should obtain mentor/advisor permission. This course was previously EDU-232172, Exploring the Disciplines: Information Systems.
Attributes: Liberal

INFS 2005 Computer Information Systems (4 Credits)
In this study students will learn the fundamental concepts of computer structure and function, and the wide range of applications in data and information processing. Students will also gain an overview of both hardware and software. The course includes personal computers as well as large computer systems and explores aspects of systems analysis and design, data and file organization, decision-support systems, telecommunications and computers in society. Note: This course has a required video component. This course was previously SMT-272954, Computer Information Systems.

INFS 2010 Introduction to Data Management Tools (4 Credits)
Computer software provides powerful tools for organizing, managing, displaying and analyzing information. Numerous jobs in business, human services and other fields require the ability to use spreadsheets or databases. Students will learn to use spreadsheet and database software to address information management and data analysis problems. This course uses a case study approach to gain experience in organizing and displaying information, in writing arithmetic and logical expressions, and in analyzing data. Highly Recommended (not required): An introductory-level college mathematics study and the ability to use MS Windows and a word processor. Some experience with Excel would be helpful.

INFS 2998 Individualized Studies in Information Systems (INFS) (1-8 Credits)
Students have the opportunity to develop individualized studies with their mentor in Information Systems (INFS). Registration for this class must be approved by the student's mentor.

INFS 3000 Exploring the Disciplines: Information Systems: Advanced (2 Credits)
Through this course, students will be exposed to the discipline of information systems and its major areas of professional application. Students will use resources such as articles (print and online), databases and each other to gain a broader perspective of this discipline. Notes: This course is open to all students. Students should not include this course twice in their degree program. This course can only be taken once, either at the lower level, or at the upper level. This course can be used towards Educational Planning. Students taking this course for educational planning credit should obtain mentor/advisor permission. This course was previously EDU-233172 Exploring the Disciplines: Information Systems.
Attributes: Liberal

INFS 3005 Computer Business Applications (4 Credits)
The objectives of this study are to provide student with advanced knowledge and problem solving skills with computer business applications. The study presents coverage of major software applications, and helps students using proficiently: a computer operating system and file management tools; Internet browsing and e-communications utilities; office applications (MS Office 365, or 2013/2010) - word processing, spreadsheets, using database system functions, and presentation software utilities, integrating Word, Excel, Access, and PowerPoint documents and Web applications. Assumptions about surrounding courses: Students should have an understanding of computers, networks, along with a fundamental understanding of computer use in an organizational environment.

INFS 3010 Database Systems (4 Credits)
This course covers the design and development of databases that support the activities of an organization. Data modeling and the implementation of data models will be a major component of the course, with students studying normalization and formal modeling conventions. The model will be implemented using SQL. Metadata is also covered as well as some aspects of database administration. Prerequisites (must complete before registering): A basic understanding of databases such as that covered by Introduction to Data Management Tools (INFS 2010), Introduction to Database Design (CSCI 1015), or equivalent database knowledge. Assumptions about surrounding courses: Knowledge of systems analysis and design is helpful but not required. A background in logic such as that gained in Discrete Mathematics is helpful but not required. Notes: Some sections of this course will use an Oracle DBMS and/or modeling tools such as Microsoft Visio. This course was previously SMT-273984 Database Systems.

INFS 3998 Individualized Studies in Information Systems (INFS) (1-8 Credits)
Students have the opportunity to develop individualized studies with their mentor in Information Systems (INFS). Registration for this class must be approved by the student's mentor.

INFS 4998 Individualized Studies in Information Systems (INFS) (1-8 Credits)
Students have the opportunity to develop individualized studies with their mentor in Information Systems (INFS). Registration for this class must be approved by the student's mentor.