

NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: Programming Logic

Course #: CSC* 105

Course Description: 3 Credits. A first course for computer science majors to provide an overview of computers, problem analysis, and programming logic. Topics include: discussion of computer hardware systems, problem solving techniques, operating systems, data file structures, and an introduction to programming languages.

Pre-requisite/Co-requisite: None

Goals: The goals of this course are

- Demonstrate the ability to work in a team environment
- Communicate effectively in a programming environment
- Reduce complex requirements to their simplest form
- Use tools associated with the design of computer programs
- Be able to develop a logical expression of user requirements
- Demonstrate their communication, analysis and presentation skills
- Develop flowcharts to explain program flow
- Develop Decision Tables to document process options

Outcomes: Upon successful completion of this course students will be able to:

- demonstrate analysis skills to determine program function and design
- interpret and document requirements visually
- apply a modular approach to solve large scale problems
- use structured techniques in building program designs

College Policies

Plagiarism: Plagiarism and Academic Dishonesty are not tolerated at Northwestern Connecticut Community College. Violators of this policy will be subject to sanction. Please refer to your “Student Handbook” under “Policy on Student Rights,” the Section entitled “Student Discipline,” or the College catalog for additional information.

Americans with Disabilities Act (ADA): The College will make reasonable accommodations for persons with documented learning, physical, or psychiatric disabilities. Students should notify Roseann Dennerlein, the Counselor for Students with Disabilities. She is located at Green Woods Hall, in the Center for Student Development. Her phone number is 860-738-6307 (V/TTY) and her email is rdennerlein@nwcc.commnet.edu.

School Cancellations: If snowy or icy driving conditions cause the postponement or cancellation of classes, announcements will be made on local radio stations. Students may also call the College directly at (860) 738-6464 to hear a recorded message concerning any inclement weather closings. Students are urged to exercise their own judgment if road conditions in their localities are hazardous.