

# Collin College - Continuing Education

## COURSE SYLLABUS

### COURSE INFORMATION

**Course Number:** CPGM 6375

**Course Title:** Creative Problem Solving for Programmers

**Course Description:** The real challenge of programming isn't learning a language's syntax—it's learning to creatively solve problems. Learn the fundamental problem-solving skills and creative thinking to tackle any problem in preparation for programming.

**Suggested Course Prerequisite(s):**

**Course Resources:**

**Student Learning Outcomes:**

Demonstrate efficient, effective approach to problem solution in preparation for programming.

**Next course recommendation:** Beginning Programming I

**Lesson Plan – by week or session:**

Session 1: How to identify and define a problem

Session 2: How to research and gathering data

Session 3: How to perform root cause analysis

Session 4: How to derive solutions

Session 5: How to evaluate solutions

Session 6: How to present solutions

**Course Sessions:**

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

**Method of Evaluation:**

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

**Refund Policy:**

Please refer to [www.collin.edu/ce/inforegistrar.html](http://www.collin.edu/ce/inforegistrar.html) for our refund policy. No refunds after the start time of the first class.

**Americans with Disabilities Act:**

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.