

**THREE RIVERS COMMUNITY COLLEGE
COURSE SYLLABUS**

Intro to Programming
Prof. George Volkov
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CSC K108
Fall 2006
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Text: Using C++, An Introduction to Programming, 2nd Edition
By Hennefeld, Baker and Burchard

TOPIC/CONTENT

- Week 1: Topics: Overview of Computers, Problem Solving and Intro to C++
Reading assign: Chapter 1, pages 1 - 15 and chapter 2, pages 17 - 36
HW problems: Page 38, # 9 and # 10
- Week 2: Topics: More on the Elements of C++
Reading assign: Chapter 3, pages 39 - 59
HW problems: Pages 62 - 63, # 22 and # 24
- Week 3: Topics: Selection using *if* and *if ... else* Statements
Reading assign: Chapter 4, pages 64 - 85
HW problems: Pages 89 - 90, # 21, # 23 and # 29
- Week 4: Topics: Functions and General Program Design, Part I
Reading assign: Chapter 5, pages 91 - 102
HW problems: Page 121 - 123, # 11 and # 21
- Week 5: Topics: Functions and General Program Design, Part II
Reading assign: Chapter 5, pages 102 - 119
HW problems: Pages 123 - 124, # 24, # 25 and # 27
- Week 6: Topics: The *String* Data Type and Output Formatting
Reading assign: Chapter 6, pages 126 - 141
HW problems: Pages 144 - 145, # 14 (a) and # 16
- Week 7: Topics: More on Output Formatting
 Review of chapters 1 - 6
Reading assign: None
HW problems: Special Assignment # 1
- Week 8: Topics: Mid-term exam
Reading assign: Chapter 7, pages 146 - 162
HW problems: Take-home problem

- Week 9: Topics: The Three C++ Looping Constructs
Reading assign: Chapter 7, pages 162 - 169
HW problems: Page 173, # 12 and # 13
- Week 10: Topics: General Task-Controlled Loops
Reading assign: Chapter 8, pages 176 - 196
HW problems: Pages 199 – 202, # 16, # 25 and # 31
- Week 11: Topics: Functions with Reference Parameters
Reading assign: Chapter 9, pages 203 - 220
HW problems: Page 222, # 12
- Week 12: Topics: More on Functions
Reading assign: Chapter 10, pages 224 - 240
HW problems: Page 242, # 13 and # 17
- Week 13: Topics: Text Files and Streams, and the *switch* and *enum*
Statements
Reading assign: Chapter 11, pages 243 – 266, chapter 12, pages
270 - 281
HW problems: Pages 268 – 269, # 15, pages 284 – 285, # 21 and
23
- Week 14: Topics: Arrays and Review of all Class Material
Reading assign: Chapter 13, pages 286 - 293
HW problems: Pages 314 – 316, # 13 and # 20 (a) and (b)
- Week 15: Topics: Final Exam
Reading assign: None
HW problems: None