

Westfield State University



CAIS 0117

Introduction to Computer Programming *Flipped classroom format*

Fall 2014

Instructor:
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This course introduces the fundamental principles of computer programming by exploring the syntax and semantics of a procedural programming language. Topics include control structures, iterators, and fundamental data structures. Problem-solving is the primary emphasis. Strategies and techniques, along with common, elementary algorithms are explored and applied to the solution of a variety of problem types. No previous programming experience is required.

Teaching Methods: Some topics in this course will be taught in a flipped classroom format where students learn new content online by watching video lectures on PLATO and homework (assigned problems) will be done during class.

Textbook:

Starting Out With Python, 3rd Edition



By Tony Gaddis

ISBN-13: 9780133582734