**Department of Computer Science**

**Undergraduate Curriculum Committee**

**New Course Textbook Request Form**

Faculty member(s) proposing change: Christopher Mills

Date of this request: 12/01/2023

Other Faculty involved in teaching this course or who have particular interest in its contents:

Course Information (prefix, number, title): COP3330: Data Structures, Algorithms, and Generic Programming I

Current Approved Textbook Information (1)

 Title: Absolute C++

 Author: Walter Savitch

 Publisher: Pearson

 Date Published: 2015

 URL:

 ISBN#: 978-0133970784

Current Approved Textbook Information (2) if any; type *none* for title if there is no 2nd book

 Title: Starting Out with C++ from Control Structures to Objects

 Author: Tony Gaddis

 Publisher: Pearson

 Date Published: 2017

 URL:

 ISBN#: 978-0134498379

Proposed new textbook information

 Title: Object-Oriented Programming in C++

 Author: Chris Mills

 Publisher: TopHat Monocle Corporation

 Date Published:

 URL: https://app.tophat.com/e/140098/

 ISBN#:

Motivation:

Please discuss the reasons for proposing the new textbook. Describe what

aspects of the current book(s) you find unsuitable. Describe what aspects of

the new book will improve the course, comparing the current textbook(s) with

the proposed text.

This text was developed specifically to fit the COP3330 course at FSU for both a 12 week and a 16-week semester by focusing on the learning outcomes for the course rather than serving as a text for the course as well as a reference manual. The text focuses on programming fundamentals through the use of traditional educational scaffolding as well as an end-to-end, hands-on coding exercise that spans three chapters spaced evenly throughout the book focused on reinforcing learning outcomes while introducing core software engineering best practices such as requirements gathering, documentation, and testing. Further, the text includes a mechanism for taking attendance for large sections, a built-in test bank of multiple-choice questions, and additional practice exercises to conclude each chapter.

Last Update of this form: AFTyson 9/14/2020