ROCHESTER COMMUNITY AND TECHNICAL COLLEGE — COMMON COURSE OUTLINE

Course discipline/number/title: COMP 1751: Mobile Application Development

A.   CATALOG DESCRIPTION
1.   Credits: 3
2.   Hours/Week: 3 lecture
3.   Prerequisites (Course discipline/number): MATH 0099
4.   Other requirements: College level reading is required
5.   MnTC Goals (if any): NA

B.   COURSE DISCRIPTION: This course introduces development of applications for mobile devices. Students will explore web programming, native device programming, and database interaction. Students will construct and evaluate multiple applications for mobile devices. College level reading is required.

C.   DATE LAST REVISED (Month, year): December, 2019

D.   OUTLINE OF MAJOR CONTENT AREAS:
1.   Fundamental of web for mobile devices
2.   Web programming for mobile devices
3.   Native device programming
4.   Database use and scripting

E.   LEARNING OUTCOMES (GENERAL): The student will be able to:
1.   Design and develop mobile applications.
2.   Differentiate between methodologies of native and web applications.
3.   Develop and deploy applications to work on multiple device platforms.
4.   Perform testing and validation.

F.   LEARNING OUTCOMES (MNTC): NA

G.   METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:
1.   Exams and Quizzes
2.   Presentations
3.   Projects
4.   Written Assignments

H.   RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcomes(s): Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

I.   SPECIAL INFORMATION (if any): None