COMMON COURSE OUTLINE: Course discipline/number/title: COMP 1751: Mobile Application Development

A. CATALOG DESCRIPTION
   1. Credits: 3
   2. Hours/Week: 3
   3. Prerequisites (Course discipline/number): MATH 1090 or higher; college level reading
   4. Co-requisites (Course discipline/number): None
   5. MnTC Goals (if any): NA

   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.

B. DATE LAST REVISED (Month, year): April, 2015

C. 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

D. 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.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Exams and Quizzes
   2. Presentations
   3. Projects
   4. Written Assignments

G. RTC CORE OUTCOME(S) ADDRESSED:
   - Communication
   - Critical Thinking
   - Global Awareness/Diversity
   - Civic Responsibility
   - Personal/Professional Accountability
   - Aesthetic Response

H. SPECIAL INFORMATION (if any): None