

MESABI RANGE COLLEGE

Course Outline

Course Title: Mobile App Development and Publishing **Submitted By:** Dan Prijatel
Semester Course Prefix and Number: GRAP 2245 **Approval Date:**
Old Quarter Course Prefix and Number: **Revision Date:** NOV 2014

Number of Credits: 4 **Number of Lecture Credits:** 2
Semester(s) Offered: **Number of Lab Credits:** 2 **Number of Lab Hours:** 4
Spring **Number of Studio/Demonstration/Internship Credits:**
Class Size: 22
Negotiated by AASC on:
(date)

Course Purpose Code:

- 0 – Developmental Courses
- 1 – Non-transferable
- 2 – Technical course related to career programs
- 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
- 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
- 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
- 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This course is an exploration of Adobe InDesign as an interactive software platform for producing websites, designing interactive forms and creating publications for the iPad and other tablet devices. Students will harness InDesign's capabilities for designing complex layouts with images and illustration and typography, then redefine those layouts as websites. Students learn to export an InDesign layout and upload it to a web hosting service. Students create an iPad publication from scratch, implement classic iPad effects like page rotation, scrolling text, and interactive images, and then publish the document as an app on Apple's App Store.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):

Reading Prerequisite:

Composition Prerequisite:

Mathematics Prerequisite:

Career Programs and Transfer Majors Accessing this Course:

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer's approval are required.)

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| 0. <input checked="" type="checkbox"/> None | 6. <input type="checkbox"/> The Humanities and Fine Arts |
| 1. <input type="checkbox"/> Communications | 7. <input type="checkbox"/> Human Diversity |
| 2. <input type="checkbox"/> Critical Thinking | 8. <input type="checkbox"/> Global Perspectives |
| 3. <input type="checkbox"/> Natural Sciences | 9. <input type="checkbox"/> Ethical and Civic Responsibility |
| 4. <input type="checkbox"/> Mathematical/Logical Reasoning | 10. <input type="checkbox"/> People and the Environment |
| 5. <input type="checkbox"/> History and the Social and Behavioral Sciences | |

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

1. create an interactive document.
2. add animation to a presentation.
3. work with object states and video.
4. create a website from an InDesign layout.
5. create interactive forms.
6. publish to the iPad.
7. create complex interactivity in an iPad presentation.
8. create an app and publish to the iPad.

Student Assessment Methods:

Written response, lab experience with rubrics, quizzes/tests and practical application.

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

iMac computers and software

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Bemidji State University, University of Minnesota–Duluth

Affiliated Mesabi Range College Courses and Programs:

Approvals:

Body	Representative Signatures	Date
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

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Revised: December 2012