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| For Academic Affairs and Research Use Only | |
| Proposal Number |  |
| CIP Code: |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| **[ ]New Course, [ ]Experimental Course (1-time offering), or [X]Modified Course (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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| Kelly E. Fish 9/17/2020 **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| James Doering 9/17/2020 **Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Head of Unit (if applicable)** |
| Melodie Philhours 9/24/2020  **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| n/a Enter date… **Director of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
| Melody Lo 9/24/2020 **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (if applicable)** |  |

1. **Contact Person (Name, Email Address, Phone Number)**

John Seydel  
jseydel@astate.edu  
(870) 530-4076

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

Fall, 2021

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a “Modification requested?” prompt need not be completed if the answer is “No.”*

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|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)**  *(Indicate “N/A” if no modification)* |
| **Prefix** | **CIT** | **N/A** |
| **Number\*** | **3353** | **N/A** |
| **Title** | **Mobile and Web Applications Development** | **Mobile Applications Development for Business**  **(Mobile App Development for Business)** |
| **Description\*\*** | **Development of web and mobile applications**  **from design to deployment. Includes markup, client-side and server side, stylesheet, and**  **related languages, as well as associated development technologies.** | **Mobile device software development methodologies, programming and, interface with IS. Students design, develop and, deploy applications for the mobile platform, enhancing their understanding of mobile development and their judgement of the effectiveness of IS applications.** |

***\**** (Confirm with the Registrar’s Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

\*\*Forty words or fewer as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? No]**

(Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. **Yes / No** Are there any prerequisites? ***Yes***
   1. If yes, which ones?

CIT 2033 or CS 2114

* 1. Why or why not?

This course uses programming knowledge and skills necessarily learned prior to taking this course.

1. **Yes / No** Is this course restricted to a specific major?
   1. If yes, which major? Enter text...
2. **Proposed course frequency [Modification requested? *No*]**

(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, “irregular.”) *Not applicable to Graduate courses.*

Enter text...

1. **Proposed course type [Modification requested? *No*]**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Enter text...

1. **Proposed grade type [Modification requested? *No*]**

What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])

Enter text...

1. **Yes / No** Is this course dual-listed (undergraduate/graduate)? ***No***
2. **Yes / No** Is this course cross-listed? ***No***

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross-listed course.)*

**a.** – If yes, please list the prefix and course number of the cross-listed course.

Enter text...

**b.** – **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

Enter text...

1. **Yes / No** Is this course in support of a new program? ***No***

a. If yes, what program?

Enter text...

1. **Yes / No** Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)? ***No***

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested? No]**

(The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

Enter text...

1. **Proposed special features** **[Modification requested? No]**

(e.g. labs, exhibits, site visitations, etc.)

Enter text...

1. **Department staffing and classroom/lab resources**

Will make use of existing faculty and facilities

1. Will this require additional faculty, supplies, etc.?

***No***

1. **Yes / No** Does this course require course fees? ***No***

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

The use of mobile devices in for business applications continues to grow, and therefore does the need for people who can develop software that is supported by those devices. Although considerable common ground exists between mobile and web apps, it has become increasingly difficult, if not infeasible to offer instruction for both mobile and web applications development in the same course. One course of action might be to split the current course into two courses, a mobile apps course and a web apps courses, but insufficient space is available in the ISBA curriculum to support both courses. Given the greater importance recognized by our students, faculty, industry partners for mobile applications development, the better option appears to be to offer that course rather than a web apps development course.

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

Enter text...

b. How does the course fit with the mission of the department? If course is mandated by an accrediting or certifying agency, include the directive.

Enter text...

c. Student population served.

Enter text...

d. Rationale for the level of the course (lower, upper, or graduate).

Enter text...

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. **Yes / No** Do the proposed modifications result in a change to the assessment plan? ***No***

*If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is “Yes”)**

1. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

Enter text...

1. Considering the indicated program-level learning outcome/s (from question #19), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 1 (from question #19)** | Type outcome here. What do you want students to think, know, or do when they have completed the course? |
| Assessment Measure | Please include direct and indirect assessment measure for outcome. |
| Assessment  Timetable | What semesters, and how often, is the outcome assessed? |
| Who is responsible for assessing and reporting on the results? | Who (person, position title, or internal committee) is responsible for assessing, evaluating, and analyzing results, and developing action plans? |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

1. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| **Outcome 1** | Students will distinguish between mobile, web and desktop design  considerations and describe programming framework |
| Which learning activities are responsible for this outcome? | Computer labs, lectures, assigned readings |
| Assessment Measure | Certain lab grades |

*(Repeat if needed for additional outcomes)*

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| **Outcome 2** | Students will apply mobile app technology to create business value |
| Which learning activities are responsible for this outcome? | Labs, lectures, readings, cases and term project |
| Assessment Measure | Grade on term project |

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| **Outcome 3** | Students will develop programming skills for the Android operating system using basic and more advanced techniques. |
| Which learning activities are responsible for this outcome? | Computer labs |
| Assessment Measure | Certain lab grades |

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| **Outcome 4** | Students will explain the deployment and distribution process  on the mobile app marketplace and intrafirm IS interface |
| Which learning activities are responsible for this outcome? | Case studies and term project |
| Assessment Measure | Certain grades on case studies and project |

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** |

**CIT 3033. Intermediate Programming** Continuation of CIT 2033 (Programming Fundamentals). Uses language taught from previous semester in CIT 2033. Emphasis is on array processing, multiple document applications, database interactivity, and programmer-written functions and classes. Pre/Co-requisite, CIT 3013. Prerequisites, “C” or better in CIT 2033; or instructor permission. Spring.

**~~CIT 3353. Mobile and Web Applications Development~~** ~~Development of web and mobile applications from design to deployment. Includes markup, client-side and server side, stylesheet, and related languages, as well as associated development technologies. Pre/Co-requisite, CIT 3013. Prerequisite, programming course with a grade of “C” or better. Fall.~~

**CIT 3353. Mobile Applications Development for Business.** Mobile device software development methodologies, programming and interface with IS. Students design, develop and deploy applications for the mobile platform, enhancing their understanding of mobile development and their judgment of the effectiveness of IS applications. Prerequisites, CIT 2033 or CS 2114. Fall.

**CIT 3403. Database Management** Enterprise-wide database theory and SQL with the use of industry standard DBMS, such as MySQL, Oracle, or SQL Server. Pre/Co-requisite, CIT 3013. Fall. CIT 3413. Advanced Database Management  Extends the coverage of CIT 3403 using a

Also as shown in pp, 124 and 454 of the Comprehensive bulletin changes for NGCOB CIT curriculum revision file:

