FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: ISM 3232C

COURSE TITLE: FinTech Application Development

PREREQUISITE(S): FIN 3450 and IDC 3021C

COREQUISITE(S): None

CONDITION(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

Lecture/Discussion:

Laboratory:

Other: Lecture/Lab Combined 4

FACULTY WORKLOAD POINTS: 4

STANDARDIZED CLASS SIZE

ALLOCATION: 24

CATALOG COURSE DESCRIPTION:

This course presents concepts in financial application development. Topics include the application development life cycle as implemented using the modern frameworks such as Scrum, version control with Git, and DevOps. Case studies for various application categories are presented, and hands-on projects are implemented for web and mobile applications.

SUGGESTED TEXT(S): Paul, Akshat. *React Native for Mobile Development*. Apress; 2nd ed. edition (June 13, 2019).  
ISBN 9781484244531  
Free digital version available on OReilly.com

Rubin, Kenneth. *Essential Scrum*. Addison-Wesley Professional; 1st edition (July 26, 2012).   
ISBN 9780137043293.  
Free digital version available on OReilly.com

Flanagan, David. *JavaScript: The Definitive Guide*. O'Reilly Media; 7th edition (June 9, 2020).   
ISBN 978-1491952023  
Free digital version available on OReilly.com

IMPLEMENTATION DATE: Fall Term 2022 (2228) – Proposal 2021-24

REVIEW OR MODIFICATION DATE:

COURSE TOPICS CONTACT HOURS

PER TOPIC

1. Introduction to Application Development 2
2. Agile and Scrum 2
3. Git and GitHub 2
4. DevOps 2
5. TypeScript 12
6. Application Architectures 4
7. Serving Content/APIs 8
8. Mobile Application Development 12
9. Mobile Banking Applications 4
10. CRM Applications 4
11. Regulatory Compliance Applications 4
12. Fraud Detection Applications 4

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| **Florida State College at Jacksonville** | **Course Learning Outcomes and Assessment** |

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| **SECTION 1** | | | | | | | | | | | | | | | | | | | | | | | |
| Course Prefix and Number: | | | | | ISM 3232C | | | | | | | | | | Semester Credit Hours (Credit): | | | | | | | | 3 |
| Contact Hours (Workforce): | | | | | | | |  |
| Course Title: | | | | | FinTech Application Development | | | | | | | | | | | | | | | | | | |
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| **SECTION 2a *(To be completed for General Education courses only.)*** | | | | | | | | | | | | | | | | | | | | | | | |
| ***TYPE OF COURSE (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | General Education Core (If selected, core discipline area will be identified in Section 4.) | | | | | | | | | | | | | | | | | | | | | | |
|  | General Education (If selected, you must also complete Section 4, Section 5, and Section 8) | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 2b** | | | | | | | | | | | | | | | | | | | | | | | |
| ***TYPE OF COURSE (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | A.A. Elective | | | | | | |  | | A.S. Required Course | | | | | | | | |  | A.S. Professional Elective | | | |
|  | A.A.S. Required Course | | | | | | |  | | A.A.S. Professional Elective | | | | | | | | |  | Technical Certificate | | | |
|  | PSAV/Clock Hour/Workforce | | | | | | |  | | Development Education | | | | | | | | |  | Apprenticeship | | | |
| X | Upper Division/Bachelors | | | | | | | X | | Other: | | Advanced Technical Certificate | | | | | | | | | | | |
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| **SECTION 3** | | | | | | | | | | | | | | | | | | | | | | | |
| ***INTELLECTUAL COMPETENCIES (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Reading |  | Speaking | | |  | | Critical Analysis | | | | |  | | | Qualitative Skills | | | |  | Scientific Method of Inquiry | |
|  | | Writing |  | Listening | | |  | | Information Literacy | | | | |  | | | Ethical Judgement | | | |  | Working Collaboratively | |
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| **SECTION 4 *(To be completed for General Education courses only.)*** | | | | | | | | | | | | | | | | | | | | | | | |
| ***GENERAL EDUCATION DISCIPLINE AREA (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | Communications | | | | |  | | | | Humanities | | |  | | | Mathematics | | | | | | | |
|  | Social and Behavioral Sciences | | | | | | | | | | | |  | | | Natural Sciences | | | | | | | |
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| **SECTION 5 *(To be completed for General Education courses only.)*** | | | | | | | | | | | | | | | | | | | | | | | |
| ***GENERAL EDUCATION LEARNING OUTCOME AREA (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | Communication | | | | |  | | | | Critical Thinking | | |  | | | Information Literacy | | | | | | | |
|  | Scientific and Quantitative Reasoning | | | | | | | | | | | |  | | | Global Sociocultural Responsibility | | | | | | | |
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| **SECTION 6** | | | | | | | | | | | | | | | | | | | | | | | |
| ***LEARNING OUTCOMES*** | | | | | | | | | | | ***TYPE OF OUTCOME***  ***(General Education, Course or Program)*** | | | | | | | ***METHOD OF ASSESSMENT*** | | | | | |
| Apply processes, tools, and techniques used to develop FinTech applications | | | | | | | | | | | Course/Program | | | | | | | Exams and/or Projects | | | | | |
| Describe current FinTech applications and identify areas where new applications are needed | | | | | | | | | | | Course/Program | | | | | | | Exams and/or Projects | | | | | |
| Create business use case for mobile financial applications and describe the processes used to design and implement them | | | | | | | | | | | Course/Program | | | | | | | Exams and/or Projects | | | | | |
| Design and implement a cross-platform mobile application | | | | | | | | | | | Course/Program | | | | | | | Exams and/or Projects | | | | | |

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| **SECTION 7** | | | |
| Faculty name(s): | Pamela Brauda | Date: | 8/5/21 |