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| **School or Division** | | | School of Business and Technology | | | |
| **Program or Certificate** | | | Data Analytics, AS | | | |
| **Proposed by (faculty only)** | | | William Van Glabek | | | |
| **Presenter (faculty only)** | | | William Van Glabek | | | |
| Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date. | | | | | | |
| **Submission date** | | | 10/12/2020 | | | |
| **Course prefix, number, and title** | | | **ISM2200C Applied Business Analytics** | | | |
| All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal. | | | | | | |
|  | Approve |  | | | Do Not Approve |  |
|  | | | | |  | |
| *Curriculum Committee Chair Signature* | | | |  | *Date* | |
|  | Approve |  | | | Do Not Approve |  |
|  | | | | |  | |
| *Provost Signature* | | | |  | *Date* | |
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| All Curriculum proposals require review by the Office of Accountability & Effectiveness. | | | | | | |
|  | Reviewed |  | | | | |
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| *Office of Accountability & Effectiveness Signature* | | | |  | *Date* | |

**Section I, Important Dates and Endorsements Required**

**nOTE:** Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost’ Office.

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| **Term in which approved action will take place** | Fall 2021 |
| **Provide an explanation below for the requested exception to the** effective **date.** | |
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| **Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.** | | |
| **Dean** | **Signature** | **Date** |
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| **Provost** | **Signature** | **Date** |
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| **Required Endorsements** | **Type in Name** | **Select Date** |
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| **Department Chair or Program Coordinator/Director** | Dr. Jennifer Patterson | 10/9/2020 |
| **Academic Dean or Provost** | Dr. Debbie Psihountas | 10/9/2020 |

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| **List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).** |
| Jennifer Patterson, William Van Glabek, Timothy Lucas, Mary Myers |

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| Has the Libraries’ Collection Manager been contacted about the new course and discussed potential impacts to the libraries’ collections? |
| **Searching the Library:**  **Search: 'Data Analytics' :** We found **483,381** matching items at Florida SouthWestern State College |

**Section II, New Course Information (must complete all items)**

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| **List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a “D”).** | **CGS1100 with a grade of C or better.** |
| **Provide justification for the proposed prerequisite(s).** | Students need the fundamental word processing, spreadsheet, and database skills before taking this course. CGS1100 introduces them to database concepts and affords them the opportunity to practice using database tools. |
| **Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?** | No |
| **List course co-requisites.** |  |
| **Provide justification for the proposed co-requisite(s).** |  |
| **Is any co-requisite for this course listed as a co-requisite on its paired course?**  (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032) | Choose an item. |
| **Course credits or clock hours** | 3 |
| **Contact hours (faculty load)** | 3 |
| **Are the Contact hours different from the credit/lecture/lab hours?** | No |
| **Select grade mode** | Standard Grading (A, B, C, D, F) |
| **Credit type** | College Credit |
| **Possible Delivery Types (Online, Blended, On Campus)** | Online, Blended, On Campus, Flex |
| **Course description** (provide below) | |
| This course provides a foundation for students to understand and apply the core principles and tools of a relational database. This combination of knowledge and skills will allow students to create tables, manage data within those tables, and create customized reports derived from data stored in relational databases. | |

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| **General topic outline** (type in outline below) |
| • Design and create Relational databases  • Create and execute SQL statements  • Create business reports and analyses  • Utilize Data mining to create predictive models |

**Learning Outcomes:** For information purposes only.

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| **IV.  Course Competencies, Learning Outcomes and Objectives**  **A.**  **General Education Competencies and Course Outcomes**  1. Integral *General Education Competency or competencies*:  General Education Competency: **Evaluate**  Course Outcomes or Objectives Supporting the General Education Competency Selected:   * Use SQL functions to retrieve data from multiple tables and report aggregated data   General Education Competency: **Think**  Course Outcomes or Objectives Supporting the General Education Competency Selected:   * Explain how data mining is used in business   2.  Supplemental *General Education Competency or competencies*:  **B.** **In accordance with Florida Statute 1007.25 concerning the state’s general education core course requirements, this course meets the general education competencies for *….***  Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.  **C.** **Other Course Objectives/Standards**   * Retrieve, restrict, and sort data from different data sources * Create and maintain database objects such as tables, queries, forms, and reports * Use SQL functions to retrieve data from multiple tables and report aggregated data * Create complex subqueries * Use databases to create predictive models * Explain how data mining is used in business |

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| **Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb\_index.jsp).** |
| Discipline  139-MANAGEMENT  Discipline Definition  COURSES IN THIS AREA INCLUDE THOSE IN ORGANIZATIONAL THEORY, HUMAN RESOURCES, LABOR/INDUSTRIAL RELATIONS, OPERATIONS/SUPPLY CHAIN MANAGEMENT, INFORMATION SYSTEMS, STRATEGIC PLANNING, APPLIED AND SMALL BUSINESS MANAGEMENT.  Prefix  ISM-INFORMATION SYSTEMS MANAGEMENT  Prefix Definition  AN INSTRUCTIONAL PROGRAM OF COURSES DESIGNED TO PREPARE A PROFESSIONAL IN THE FIELD OF INFORMATION SYSTEMS MANAGEMENT. COURSES IN THIS FIELD INVOLVE THE MANAGEMENT AND USE OF INFORMATION SERVICES FOR THE MANAGEMENT OF BUSINESS ORGANIZATIONS.  Century Title  200-299-SYSTEMS DEVELOPMENT TECHNOLOGIES  Decade Title  200-209-DATA STRUCTURES & FILE PROCESSING IN BUSINESS  StateWide Course  ISM 200-APPLIED BUSINESS ANALYTICS  Status  RESERVED  Transfer  GUARANTEED TRANSFER TO INSTITUTION OFFERING SAME COURSE.  Course Intent  LOWER  Prerequisites  NONE  Corequisites  NONE  Profile Description  THIS COURSE IS PROVIDES A FOUNDATION FOR STUDENTS TO UNDERSTAND AND APPLY THE CORE PRINCIPLES AND TOOLS OF A RELATIONAL DATABASE. THIS COMBINATION OF KNOWLEDGE AND SKILLS WILL ALLOW STUDENTS TO CREATE TABLES, MANAGE DATA WITHIN THOSE TABLES, AND CREATE CUSTOMIZED REPORTS DERIVED FROM DATA STORED IN RELATIONAL DATABASES. |

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| **ICS code for this course** | ADVANCED AND PROFESSIONAL - 1.15.05 - BUSINESS AND MANAGEMENT |
| **Institutional Reporting Code** | 11505 Business and Management |
| **Degree Attributes** | AA - AA Course |
| **Degree Attributes (if needed)** | Choose an item. |
| **Degree Attributes (if needed)** | Choose an item. |
| **Degree Attributes (if needed)** | Choose an item. |
| **Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".** | No  List applicable major restriction codes |
| **Is the course an “International or Diversity Focus” course?** | No, not International or Diversity Focus |
| **Is the course a General Education course?** | No |
| **Is the course a Writing Intensive course?** | No |
| **If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?** |  |
| **Is the course repeatable\*?**  (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits).  \*Not the same as Multiple Attempts or Grade Forgiveness | No  If repeatable, list maximum number of credits |
| **Do you expect to offer this course three times or less (experimental)?** | No |

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| **Impact of Course Proposal** | |
| **Will this new course proposal impact other courses, programs, departments, or budgets?** | No |
| **If the answer to the question above is “yes”, list the impact on other courses, programs, or budgets?** | List impacts here |
| **Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.** | |

**Section III, Justification for proposal**

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| **Provide justification (below) for this proposed curriculum action.** |
| This course will be an important part of the Business Analytics Program. Students will gain hands-on experience creating and manipulating databases. They will also learn to mine for data using SQL. Knowing how to create and store data and then transform it into information is crucial. |