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| **School or Division** | | | School of Business and Technology | | | |
| **Program or Certificate** | | | Business Analysis Specialist | | | |
| **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** | | | 10/10/2020 | | | |
| **Course prefix, number, and title** | | | QMB 2100 Business Statistics | | | |
| 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.** | |
| Type in the explanation for exception. | |

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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** |
| Dr. Debbie Psihountas |  |  |
| **Provost** | **Signature** | **Date** |
| Dr. Eileen DeLuca |  |  |

| **Required Endorsements** | **Type in Name** | **Select Date** |
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| **Department Chair or Program Coordinator/Director** | Dr. Jennifer Patterson | 10/10/2020 |
| **Academic Dean or Provost** | Dr. Debbie Psihountas | 10/10/2020 |

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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).** |
| William Van Glabek, Dr. Jennifer Patterson, Dr. Tim Lucas |

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| Has the Libraries’ Collection Manager been contacted about the new course and discussed potential impacts to the libraries’ collections? |
| Bill Shuluk was contacted. The impact of this course will not negatively impact the library. |

**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”).** |  |
| **Provide justification for the proposed prerequisite(s).** |  |
| **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) | No  List the co-requisite |
| **Course credits or clock hours** | 3 course credit hours |
| **Contact hours (faculty load)** | 3 hours |
| **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 |
| **Course description** (provide below) | |
| QMB 2100 is an introduction to Business Analytics and provides students with quantitative skills that are required to make business decisions. This course demonstrates how to apply selected statistical techniques to a wide variety of problems and situations arising in the areas of business, economics, finance, accounting and management.  This course provides students with the fundamental concepts and tools needed to understand the emerging role of business analytics in organizations and shows students how to apply basic business analytics tools in a spreadsheet environment, and how to communicate with analytics professionals to effectively use and interpret analytic models and results for making better business decision. | |

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| **General topic outline** (type in outline below) |
| * Make business decisions examining business situations with quantitative methods. * Apply measures of central tendency to grouped data * Apply measures of dispersion to sample and population data * Distinguish between discrete and continuous distributions * Create business reports and analyses |

**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 Excel to utilize data from multiple tables in determining the best decision.   General Education Competency: **Think**  Course Outcomes or Objectives Supporting the General Education Competency Selected:   * Explain how quantitative methods are 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**  **Explain how quantitative methods are used in making business decisions**  **Use Excel to produce statistical analysis in making business decisions**  **Use of databases in statistical analysis** |

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| **Copy and Paste the SCNS Course Profile Description below (**[**http://scns.fldoe.org/scns/public/pb\_index.jsp**](http://scns.fldoe.org/scns/public/pb_index.jsp)  **).** |
| Statewide Course DetailBrowse Statewide Courses: [GO](javascript:__doPostBack('ctl00$ContentPlaceHolder1$lbBrowse1',''))  Discipline  111-QUANTITATIVE METHODS IN BUSINESS  Discipline Definition  NONE  Prefix  QMB-QUANTITATIVE METHODS IN BUSINESS  Prefix Definition  COURSES WITH THIS PREFIX DEAL WITH THE APPLICATIONS OF MATHEMATICAL, STATISTICAL, AND RESEARCH CONCEPTS TO BUSINESS, ECONOMICS, FINANCE, AND MANAGEMENT PROBLEMS. COURSES INCLUDE STATISTICAL APPLICATIONS IN BUSINESS; ECONOMETRICS; BUSINESS RESEARCH; OPERATIONS RESEARCH; MANAGEMENT SCIENCE; AND MATHEMATICAL PROGRAMMING FOR RESEARCH.  Century Title  100-199-BASIC BUSINESS STATISTICS  Decade Title  100-109-BASIC BUSINESS STATISTICS  StateWide Course  QMB 100-BASIC BUSINESS STATISTICS  Status  ACTIVE  Transfer  GUARANTEED TRANSFER TO INSTITUTION OFFERING SAME COURSE.  Course Intent  LOWER  Prerequisites  NONE  Corequisites  NONE  Profile Description  1. DESCRIPTIVE STATISTICS 2. PROBABILITY THEORY 3. STATISTICAL INFERENCE 4. STATISTICAL RESEARCH METHODS 5. APPLICATIONS \* CREDITS: 2-4 SEMESTER HOURS |

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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?** | Yes |
| **If the answer to the question above is “yes”, list the impact on other courses, programs, or budgets?** | STA 2023 |
| **Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.**  **Discussed with department chairs within SoBT** | |

**Section III, Justification for proposal**

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| **Provide justification (below) for this proposed curriculum action.** |
| This course is part of the proposed AS in Business Analytics.  *Analytics is extracting valuable information out of data. We can call it Data Mining, Business Analysis, Business Analytics, Data Analytics etc.*  *Analytics is a combination of statistics, machine learning (using software programs such as Microsoft Excel) and algorithms. The main focus of analytics is to mine data, discover meaningful patterns in data and, based on the findings, derive actionable insights and communicate them to executives.*    QMB 2100 uses the student’s background in statistics as a starting point into analytics.  The field of business analytics is expected to grow 14% in the next 10 years.  There are currently numerous employment opportunities in SWFL at Lee Health, Lee County, Collier County, and Arthrex. The average annual wage is $95,560 in Business Analytics. This degree provides the student the opportunity to branch out into the various fields of business analytics: Corporate, Government, Health, & Finance. |