Curriculum Committee

New Course Proposal

FLORIDA SOUTHWESTERN STATE COLLEGE

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	George Kodsey & Mary Myers
Presenter (faculty only)	George Kodsey
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	3/19/2020
Course prefix, number, and title	COP3505 – Intermediate Computer Programming

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

Mary R. Myers

Curriculum Committee Chair Signature

_4/8/2020_

Date

☒ Approve   ☐ Do Not Approve

Miler Petula

Provost Signature

_5-21-2020_

Date

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☒ Reviewed

signature

Office of Accountability & Effectiveness Signature

_5/21/2020_

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.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	

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**
Provost	**Signature**	**Date**

Required Endorsements	Type in Name	Select Date
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
No

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

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

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	Prerequisites: COP 1170 AND COP 2171 OR COP 1224 AND COP 2228 OR COP 2360 AND COP 2362 (Minimum grades of "C" or higher)
Provide justification for the proposed prerequisite(s).	Students must understand programming before beginning this class.
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)	
Course credits or clock hours	3 course credits Must pass with a "C" or better.
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
Course description (provide below)	

This is a programming course to develop problem-solving techniques for numerical and non-numerical problems from various disciplines. Students will design the solution to each problem and implement it in a current programming language (such as Python). Coverage includes an introduction to computer system, flow control, functions, I/O streams, arrays, strings, and classes.

General topic outline (type in outline below)

- Explain datatypes.
- Edit, run, debug, and document a PYTHON program.
- Define and initialize variables and constants.
- Read and write data using standard I/O.
- Demonstrate the usage of selection statements such as if-else and switch.
- Demonstrate the possibilities of logical expressions.
- Implement loop structures such as for and while.
- Define and use your own functions.
- Process several data elements in an array.
- Use the string class
- Read and write data using files.
- Develop algorithms to numerical and non-numerical problems.
- Identify basic concepts of structure, class, and object-oriented programming.

Learning Outcomes: For information purposes only.

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:
- Develop algorithms to numerical and non-numerical problems.
- Identify basic concepts of structure, class, and object-oriented programming.

    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

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

TOPICS INCLUDE PYTHON BASICS, USE OF PYTHON CONTROL AND DATA STRUCTURES, USE OF PYTHON FUNCTIONS, PYTHON 110, IMPLEMENT BASIC PYTHON PROGRAMMING TASKS.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS 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".	Yes BAS - IST
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
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
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

Provide justification (below) for this proposed curriculum action.
This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree. This class will build upon and enhance programming skills learned at the AS level.