Course Proposal: Modify

CID and Name:
10333648----Pratt, Donald

1. Course: **BIO 131 Principles of Botany**

2. Term/Year: **Fall 2014**

3. CIP CODE/10 Digit Program Code: **2603010002**

4. Current Course Title: **Principles of Botany**
   Modified Course Title: **N/A**

5. Modified Long Course Title: **N/A**

6. What is the primary reason you are modifying this course:
We are splitting out the lab component as a separate graded one credit hour course as per the request of the University for all Life and Physical Science Core courses. In addition we are modifying the SLOs to better reflect the new Core Objectives required for Core Science courses.

7. Enter course description exactly as it will appear in the general/graduation bulletin:
N/A

8. Enter modified course description exactly as it will appear in the general/graduation bulletin:
N/A

9. Current Prerequisites:
N/A

10. Modified Prerequisites:
N/A

11. College: **College of Science/Mathematics**

12. Department Teaching Course: **Biology**

13. Instruction Type: **N/A**

14. Modified Credit Hours Maximum: **3**

    Credit Hours Minimum: **3**

    Maximum Hours counted toward degree: **3**

15. Maximum contact hours each week Fall Semester: **3**

16. May this course be taken more than one time each semester? **N/A**

17. Grade Type: **N/A**

18. Describe the place of the modified course within your current curriculum. (Will it be elective or required? Part of a major or a minor?)

BIO 131 is a core course taken by majors from across all colleges. Additionally, it is a program requirement for students in the Department of Biology and for many students in the College of Forestry.

19. How does the modified course differ from similar courses being offered at Stephen F. Austin?

NA

20. Syllabus: Course Learning Goals
List course objectives; describe what students who complete the course will now or be able to do.

1. To introduce students to the basic features of plant cells with a specific emphasis on plant specific organelles, including an introduction to plant tissues. 2. To introduce students to the basic morphology, anatomy, and function of plant roots, stems, and leaves 3. To provide students with an understanding of plant physiological processes, with a special emphasis on photosynthesis, the light reactions, the Calvin Cycle, and variations of the photosynthetic pathways. 4. To present the basic principles of plant reproduction, life cycles, and reproductive features. 5. To introduce students to plant diversity, including key innovations and reproductive features of each plant group.

21. Syllabus: Course Outline
List the topics that the proposed course will cover and indicate the approximate proposed amount of time to be devoted to each, either by percent of course time or number of weeks. Please indicate which topics will be required in all sections of the course and which may vary.

Plant Cells and Tissues- 13% Plant Organs- 13% Plant Physiology- 20% Reproduction and Diversity- 33% Ecology- 8% Variable by Instructor- 13%

22. Any Other Information.

NA

----Course Syllabus----
Must accurately reflect the course syllabus. (N/A is not acceptable response)

23. Program Learning Outcomes
List the program learning outcomes addressed in this course as identified in the course matrix for your degree program. If your department requires a listing of all Program Learning Outcomes (PLOs) on the syllabus, please identify those that are directly taught in this course. If this is a general education core curriculum course and no PLOs are taught in this course then insert the following statement under this heading:

This is a general education core curriculum course and no specific program learning outcomes for this major are addressed in this course.

This course corresponds to the following Program Learning Outcomes: PLO 1- Knowledge PLO 2- Communication Skills PLO 3- Teamwork PLO 4- Scientific Method

24. General Education Core Curriculum Objectives/Outcomes
List the Exemplary Educational Objectives (EEOs) for this course if the course is included in the general education core curriculum. If you have reworded the EEOs as outcomes for your course, please be sure that the original intent of the EEO is retained.

CO 1- Critical Thinking CO 2- Communication CO 3- Empirical and Quantitative Skills CO 4- Teamwork

25. Student Learning Outcomes
List all student learning outcomes (SLOs) for this course including the course specific student learning outcomes that support the PLOs above. In general, SLOs in a course that support the PLOs are specific and include the exact knowledge, skill or behavior taught in the course that

supports the more global PLOs. For additional information on meaningful and measurable learning outcomes see the assessment resource page http://www.sfasu.edu/assessment/index

1) Students will learn the basic principles of plant cells and tissues; plant organs; plant physiology; plant reproduction and diversity; and plant ecology (PLO 1) 2) Students will work together to examine plants using observational tools, scientific techniques, and empirical analysis (PLO 4; COs 1 and 3) 3) Students will work together to perform experiments, gather data, test hypotheses, and draw conclusions based on data (PLO 4; COs 1 and 3) 4) Students will be able to communicate effectively with lab partners as they complete lab assignments and to formally communicate scientific material using a visual PowerPoint slide (PLOs 2 and 3; COs 2 and 4)

26. Syllabus: Modified Textbook/Assigned Reading Materials for course:

Raven, Evert, and Eichorn Biology of Plants 8th edition

27. Course Requirements

Describe the major course requirements, assignments, examinations, projects.

Lecture grades are determined based on unit exams and quizzes. The number of quizzes and exams varies by professor. In all cases lecture grades will contribute 66% of points to the final earned grade.

28. Course Calendar

Create a tentative timeline for the course. At a minimum, list the topics that the course will cover and indicate the approximate amount of time to be devoted to each, either by percent of course time or number of weeks. The calendar should provide information for the maximum number of weeks scheduled for the course.

Plant Cells and Tissues- 2 weeks Plant Organs- 2 weeks Plant Physiology- 3 weeks Reproduction and Diversity- 5 weeks Ecology- 1 week Variable by Instructor- 2 weeks

29. Grading Policy

Describe how the grade for the course is determined.

Final grades reflect both lecture and lab scores using the following formula: 66% Lecture Score + 33% Lab Score= Final Grade This computed grade will be recorded for both the lecture AND the lab (students will receive the same grade in both).

30. Attendance Policy

State your attendance policy.

Students are required to attend lecture and take notes. Students are responsible for missed material. An exam may be made up for an excused absence as determined by University Policy 6.7. Individual professors may have additional section specific guidelines in addition to the above.

31. Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

32. Withheld Grades Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

33. Students with Disabilities

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices.

Dept. Chair _____ Date: 11/12/13

College Curriculum Chair _____ Date:

Dept. Dean _____ Date:

College Curriculum Dean _____ Date:

RELEASE: 8.3

Course Proposal: Modify

CID and Name:
10333648----Pratt, Donald

1. Course: **BIO 131L Principles of Botany Lab**

2. Term/Year: **Fall 2014**

3. CIP CODE/10 Digit Program Code: **2603010002**

4. Current Course Title: **Principles of Botany Lab**
   Modified Course Title: **N/A**

5. Modified Long Course Title: **N/A**

6. What is the primary reason you are modifying this course:
We are splitting out the lab component as a separate graded one credit hour course as per the request of the University for all Life and Physical Science Core courses.

7. Enter course description exactly as it will appear in the general/graduation bulletin:
N/A

8. Enter modified course description exactly as it will appear in the general/graduation bulletin:
N/A

9. Current Prerequisites:
N/A

10. Modified Prerequisites:
N/A

11. College: **College of Science/Mathematics**

12. Department Teaching Course: **Biology**

13. Instruction Type: **N/A**

14. Modified Credit Hours Maximum: **1**

    Credit Hours Minimum: **1**

    Maximum Hours counted toward degree: **1**

15. Maximum contact hours each week Fall Semester: **2**

16. May this course be taken more than one time each semester? **N/A**

17. Grade Type: **Standard: A-F**

18. Describe the place of the modified course within your current curriculum. (Will it be elective or required? Part of a major or a minor?)

This course is part of the University Life and Physical Science Core options and is a program requirement in the Department of Biology and for many majors in the College of Forestry.

19. How does the modified course differ from similar courses being offered at Stephen F. Austin?

NA

20. Syllabus: Course Learning Goals
List course objectives; describe what students who complete the course will now or be able to do.

1. To introduce students to the basic features of plant cells with a specific emphasis on plant specific organelles, including an introduction to plant tissues. 2. To introduce students to the basic morphology, anatomy, and function of plant roots, stems, and leaves 3. To provide students with an understanding of plant physiological processes, with a special emphasis on photosynthesis, the light reactions, the Calvin Cycle, and variations of the photosynthetic pathways. 4. To present the basic principles of plant reproduction, life cycles, and reproductive features. 5. To introduce students to plant diversity, including key innovations and reproductive features of each plant group.

21. Syllabus: Course Outline
List the topics that the proposed course will cover and indicate the approximate proposed amount of time to be devoted to each, either by percent of course time or number of weeks. Please indicate which topics will be required in all sections of the course and which may vary.

Thirteen graded laboratories. For full listing see course calendar.

22. Any Other Information.

NA

----Course Syllabus----
Must accurately reflect the course syllabus. (N/A is not acceptable response)

23. Program Learning Outcomes
List the program learning outcomes addressed in this course as identified in the course matrix for your degree program. If your department requires a listing of all Program Learning Outcomes (PLOs) on the syllabus, please identify those that are directly taught in this course. If this is a general education core curriculum course and no PLOs are taught in this course then insert the following statement under this heading:

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This course corresponds to the following Program Learning Outcomes: PLO 1- Knowledge PLO 2- Communication Skills PLO 3- Teamwork PLO 4- Scientific Method

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CO 1- Critical Thinking CO 2- Communication CO 3- Empirical and Quantitative Skills CO 4- Teamwork

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1) Students will learn the basic principles of plant cells and tissues; plant organs; plant physiology; plant reproduction and diversity; and plant ecology (PLO 1) 2) Students will work together to examine plants using observational tools, scientific techniques, and empirical analysis (PLO 4; COs 1 and 3) 3) Students will work together to perform experiments, gather data, test hypotheses, and draw conclusions based on data (PLO 4; COs 1 and 3) 4) Students will be able to communicate effectively with lab partners as they complete lab assignments and to formally communicate scientific material using a visual PowerPoint slide (PLOs 2 and 3; COs 2 and 4)

26. Syllabus: Modified Textbook/Assigned Reading Materials for course:

Downloaded Lab Manual

27. Course Requirements

Describe the major course requirements, assignments, examinations, projects.

Graded lab activities include thirteen in-class assignments (90 points) and quizzes (10 points). Lab grades contribute 33% of the points to the final earned grade.

28. Course Calendar

Create a tentative timeline for the course. At a minimum, list the topics that the course will cover and indicate the approximate amount of time to be devoted to each, either by percent of course time or number of weeks. The calendar should provide information for the maximum number of weeks scheduled for the course.

Thirteen weeks of labs as follows: Microscopy Plant Cells and Simple Tissues Complex Tissues and Tissue Systems Plant Organs Fruits and Flowers Wood Photosynthesis Genetics and Meiosis Plant Reproduction Plant Diversity Ecology- Data Collection Ecology- Data Analysis Mycology

29. Grading Policy

Describe how the grade for the course is determined.

The lab grade is determined by in-class assignments and weekly quizzes with 1300 total possible points. Students are required to complete and turn in the day's lab assignment to the appropriate lab instructor. In-class assignmnets are worth 90 points and weekly quizzes are worth ten points. Any grade appeals must be accompanied by the graded quiz/assignment. Final grades reflect both lecture and lab scores using the following formula: 66% Lecture Score + 33% Lab Score= Final Grade This computed grade will be recorded for both the lecture AND the lab (students will receive the same grade in both).

30. Attendance Policy

State your attendance policy.

A. All students are required to attend the scheduled lab. B. Those students who have excused absences will be given make-up work. C. Excused absences will be allowed for these reasons (university policy 6.7) 1. School trips and/or functions- arrangements with the lab coordinator for make-ups must be made prior to the absence 2. Death in immediate family- a notice for the Office of Student Rights and Responsibilities must be sent to the lab coordinator 3. Too ill to attend class- a note from the physician must be brought to the lab coordinator. D. Only the lab coordinator may excuse a student's absence from lab. E. Arrangements to complete make-up work must be made prior to the date of the next scheduled lab. F. Make-ups will be in the form of a 100 point quiz. No make-up quizzes are permitted after 3 absences, whether they are excused or unexcused. Additionally, ten points will be deducted from a student's lab grade for every four absences. G. Students are responsible for all work missed. Notes, dates, etc. for missed labs may be obtained from the lab instructors or fellow students.

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incorporating the words or ideas of an author into one's paper without giving the author due credit.

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Dept. Chair Jennifer T. Moore Date: 11/12/13

College Curriculum Chair _____ Date: _____

Dept. Dean _____ Date: _____

College Curriculum Dean _____ Date: _____

RELEASE: 8.3