

UNIVERSITY CURRICULUM COMMITTEE

Proposal for New Course

1. Is this course being proposed for Liberal Studies designation? Yes ☐ No ☒
If yes, route completed form to Liberal Studies.
2. New course effective beginning what term and year? (ex. Spring 2008, Summer 2008) Fall 2006
[See effective dates schedule.](#)
3. College CENS 4. Academic Unit Biological Sciences
5. Course subject/catalog number BIO 201R 6. Units 1 (one)
7. Co-convened with _____ 6a. Date approved by UGC _____
(Must be approved by UGC prior to bringing to UCC. Both course syllabi must be presented)
8. Cross-listed with _____
(Please submit a single cross-listed syllabus that will be used for all cross-listed courses.)
9. Long course title BIO 201R, Human Anatomy & Physiology I Recitation
(max 100 characters including spaces)
10. Short course title (max. 30 characters including spaces) Recitation for Human A & P I
11. Catalog course description (max. 30 words, excluding requisites).

Optional recitation section to improve vocabulary, problem-solving, and study skills for Human Anatomy & Physiology I. Not available for credit in the major. Pass-fail only. Corequisite: BIO 201.

12. Grading option: Letter grade ☐ Pass/Fail ☒ or Both ☐
(If both, the course may only be offered one way for each respective section.)
13. Is this a topics course? Yes ☐ No ☒
14. May course be repeated for *additional* units? yes ☐ no ☒
a. If yes, maximum units allowed? _____
b. If yes, may course be repeated for additional units in the same term? (ex. PES 100) yes ☐ no ☐
i. If yes, max units/term _____
15. Please check **ONE** of the following that most appropriately describes the course:
- a. Lecture w/0 unit embedded lab ☐ Lecture only ☒ Lab only ☐ Clinical ☐ Research ☐
Seminar ☐ Field Studies ☐ Independent Study ☐ Activity ☐ Supervision ☐
- b. In addition to the above, it will also be taught: Web ☐ ITV ☐ Hybrid web ☐ Hybrid ITV ☐
16. Prerequisites (must be completed **before** proposed course) BIO 181 or BIO 181H
17. Corequisites (must be completed **with** proposed course) BIO 201
18. If course has no requisites, will all sections of the course require (check one):
instructor consent ☐ department consent ☐ no consent ☐

19. Is the course needed for a plan of study (major, minor, certificate)? yes ☐ no ☒

Name of new plan? _____

Note: A new plan or plan change form must be submitted with this request.

20. Does course duplicate content of existing courses within or outside of your college? yes ☐ no ☒

If yes, list any courses this course may have duplicative material with and estimate percentage of duplication:

Please attach letters of support from each department whose course is listed above.

21. Will this course affect other academic plans, academic units, or enrollment? yes ☐ no ☒

If yes, explain in justification and provide supporting documentation from the affected departments.

22. Is a potential equivalent course offered at a community college (lower division only)? yes ☐ no ☒

If yes, does it require listing in the *Course Equivalency Guide*? yes ☐ no ☐

Please list, if known, the institution, subject/catalog number of the course. _____

23. Justification for new course, including unique features if applicable. (Attach proposed syllabus in the approved university format).

With support via the Minority Student Development training grant (NIH) to Dr. Nishikawa, this class has been piloted for two+ years as BIO 198. As with other science recitation sections, data and analyses provided by the Office of Biomedical Professions indicate that on average students fully participating in Human A & P Recitation perform statistically better in BIO 201 (or nearly so) than their full class cohort. This class may not continue as BIO 198.

24. Names of current faculty qualified to teach this course R. Markle, D. Pierotti,
S. Hempleman, L. Owen,
S. Lindstedt, A. Gibb, C. Propper

25. If course will require additional faculty, space, or equipment, how will these requirements be satisfied? N/A

26. Will present library holdings support this course? yes ☒ no ☐

If the course being submitted for approval is **NOT a LIBERAL STUDIES** course, please go to step 42.

LIBERAL STUDIES ONLY

Contact name: _____

Contact email: _____

Dept. Chair name: _____

Dept. Chair email: _____

College Contact name : _____

College Contact email: _____

27. This course is a ☐ Single section ☐ Multi-section

28. List names of faculty who may teach this course: _____

29. Section enrollment cap: _____

If this course is being submitted for approval as a new **LIBERAL STUDIES** course, please complete questions 30-33.

OR

If this course is being submitted for approval as a new **JUNIOR LEVEL WRITING** course, please complete questions 37-38.

OR

If this course is being submitted for approval as a new **SENIOR CAPSTONE** course, please complete questions 39-41.

NEW LIBERAL STUDIES COURSE

30. Thematic Focus (check all that apply): *If a topics course, must apply to **ALL** sections.*

Environmental Consciousness ☐ Technology and Its Impact ☐ Valuing the Diversity of Human Experience ☐

31. Distribution Block (check one): *If a topics course, must apply to **ALL** sections.*

Aesthetic and Humanistic Inquiry ☐ Cultural Understanding ☐ Lab Science ☐

Science/Applied Science ☐ Social and Political Worlds ☐

32. Skills (check two): *If a topics course, must apply to **ALL** sections.*

Creative Thinking ☐ Critical Reading ☐ Effective Oral Communication ☐ Effective Writing ☐ Critical Thinking ☐

Ethical Reasoning ☐ Quantitative/Spatial Analysis ☐ Scientific Inquiry ☐ Use of Technology ☐

33. Is this a topics course? Yes ☐ No ☐

If YES, please complete questions 34-36. If NO, please go to question 42.

TOPICS COURSE ONLY

34. Identify the **Student Learning Outcomes** that will be found in **ALL** topic syllabi offered under this course number. _____

35. Explain by what method(s) Student Learning Outcomes will be **assessed** in **ALL** topic syllabi offered under this course number.

36. Please attach an example of a Topic Syllabus offered under this course number.

NEW JUNIOR LEVEL WRITING COURSE (refer to question 19)

37. To which degree programs offered by your department/academic unit does this proposal apply? _____
38. Do you intend to offer ABC 300 and ABC 300W? yes ☐ no ☐
If no, please submit a course delete form for the ABC 300.

GO TO question 42

NEW SENIOR CAPSTONE COURSE (refer to question 19)

39. To which degree programs offered by your department/academic unit does this proposal apply? _____
40. Does this proposal replace or modify an existing course or experience? yes ☐ no ☐
If yes, which course(s)? _____
41. Do you intend to offer ABC 400 and ABC 400C? yes ☐ no ☐
If no, please submit a course delete form for the ABC 400.

42. Approvals

Department Chair (if appropriate)	Date
Lee C. Drickamer	
Chair of college curriculum committee	Date
Dean of college	Date

For Committees use only

For Liberal Studies Committee	Date
Action taken: _____ Approved as submitted _____ Approved as modified	

For University Curriculum Committee	Date
Action taken: _____ Approved as submitted _____ Approved as modified	

PROPOSED Syllabus for BIO 201R Recitation for Human Anatomy & Physiology I.

Fall 2006

CENS, Department of Biological Sciences.

One (1) credit hour, Tuesday 1:30 – 2:30 p.m.

Instructor: Dr. R. A. Markle

Office: 424, Bio Sci bldg, **phone** 523-7531;

e-mail: Ronald.Markle@nau.edu

Office hours: Tuesday and Thursday 8:00 – 9:30 a.m.

Course Prerequisites: You must be co-registered for BIO 201. The same prerequisites for BIO 201 pertain to this section of BIO 201R, too, specifically, BIO 181 or 181H. This instructor will assume everyone is taking Bio 201 concurrently.

Course Description:

For many students in the Bio 201 & 202 sequence of Human Anatomy & Physiology, this is their first experience in life science courses with a large amount of new vocabulary and technical information that integrates biology, chemistry and physics. BIO 201R will provide an opportunity to reinforce your foundation skills for success in Human Anatomy and Physiology, plus we will reinforce your Bio 201 course material. This 1-credit hour offering is optional for students in BIO 201, Human Anatomy and Physiology I. We will have some supplemental exercises & assignments given out for you to prepare for the next week's class. These will serve as the springboard for our discussions. Undergraduate students taking BIO 201 and among the Minority Student Development (MSD) target groups are especially invited to enroll, as this BIO 201R offering is made possible by support from the MSD program. The same skills and knowledge base will serve you well in future courses of your degree program that are built upon a solid understanding of Human Anatomy & Physiology. The luxury of a small group is that we can get to know and be comfortable with each other. This once-a-week meeting will work best if you leave any shyness at the door. So, bring your HAP questions, your dilemmas and confusion to the group for discussion!

Student Learning Expectations/ Outcomes for this Course:

Students in BIO 201R will reinforce and improve their understanding of:

- key vocabulary for success in Human A & P,
- biological principals and
- integrated physiological processes.

Enhanced student understanding in any of these areas will aid success in majors and career paths that requires BIO 201.

Course structure/approach:

Each week we will have an in-class activity or quiz to bolster your preparations for the topics of BIO 201. The focused topic will be announced the week before. This may consist of focused study aims such as, but not limited to, text vocabulary sections, physiology problem-solving, mock practical exam experiences, and always, an opportunity to gain clarification of current topics in BIO 201 Lecture or Lab. This class, however, is not a substitute for lecture or lab.

E-mail: I will generate an e-mail list for getting announcements to you. Check your email daily for items with BIO 201R in the subject line.

Required and Recommended texts:

Same as for Bio 201: *Anatomy & Physiology. The Unity of Form and Function, 3rd Edition* by Kenneth Saladin, McGraw-Hill Publishers. Also, I strongly recommend getting your own medical dictionary, such as Mosby's Pocket Dictionary of Medicine, Nursing & Allied Health.

Evaluation/Grading: Class attendance will be logged, quizzes and participation will determine your Pass/Fail grade in BIO 201R. We will have 15 class periods. Each class will be worth twenty (20) points, either via attendance and activity participation or a quiz that day. A combination of the lowest of either two quizzes, assignments or absences will be dropped from your class tally. There will not be "make-ups" for missed quizzes, nor "extra credit". So, 13 class periods (260 points max) will be totaled and the following grade scale applied:

Pass $\geq$ 60%, Less than 60% = Fail

If you add the class after the first week, the maximum possible points for the class will be appropriately adjusted.

Attendance: Attendance & participation are key criteria for getting the most from your time in BIO 201R. Therefore, your presence at all classes and timely completion of any course work are expected. Hence, you are responsible for all information, materials, handouts and announcements given in class. If you happen to miss a handout, a few additional copies will be posted outside room B.S. 424. **If you miss a class, contact your classmates about our activities that day!**

Retests/Makeups: Because the two lowest scores will be dropped before totaling quizzes and activities, there will not be "make-ups" for missed quizzes, nor "extra credit".

Other Academic Policy Issues:

See the Office of Student Life website: <http://www4.nau.edu/stulife/> for the most recent versions of the *NAU Student Handbook* and the *Student Code of Conduct*.

Statement on Academic Integrity: The University's policy on academic integrity - cheating, plagiarism, etc.- as stated in the most current catalog will be adhered to as will the Student Code of Conduct of the Student Handbook. **It is YOUR responsibility to review these policies.** Any violation of this policy in conduct or work related to Bio 201R will result in a grade of "F" on the quiz and may result in a grade of F for the entire course. You are expected to read and review these before the end of our first week.

Among the many policy matters at the Student Life home page, you should at least give attention to:

- Student Code of Conduct
- Academic Dishonesty
- Classroom Management Statement
- Safe Working and Learning Environment Project/Policy
- Disability Support Services for students
- "Insurance: Students participating in a University-sponsored field trip do not have health or medical coverage through the State's self-insurance program in the event of an accident. This also applies to students who are injured in the dorm, classroom or University-supported activity. Students should provide their own health and medical coverage, either through their parents' insurance policy or by purchasing a student plan such as the one available through Fronske Health Center."
- Protection of Human Subjects is addressed by the Institutional Review Board policy of NAU's Office of the Vice Provost for Research and Graduate Studies.

Rev. 2/14/06