General Education Course Information Sheet

Please submit this sheet for each proposed course

Department & Course Number Nursing 13

Course Title Introduction to Human Anatomy

Indicate if Seminar and/or Writing II course _____

1 Check the recommended GE foundation area(s) and subgroups(s) for this course

Foundations of the Arts and Humanities

- Literary and Cultural Analysis _____
- Philosophic and Linguistic Analysis _____
- Visual and Performance Arts Analysis and Practice _____

Foundations of Society and Culture

- Historical Analysis _____
- Social Analysis _____

Foundations of Scientific Inquiry

- Physical Science _____
  With Laboratory or Demonstration Component must be 5 units (or more) _____
- Life Science x
  With Laboratory or Demonstration Component must be 5 units (or more) _____

2. Briefly describe the rationale for assignment to foundation area(s) and subgroup(s) chosen.

Nursing 13 was created as a required course for Nursing students to replace Physiological Science 13, which would allow our students the ability to take it during the regular school year without going through UCLA Extension or community colleges. Nursing 13 is an introductory Human Anatomy course required for all pre-medicine majors. Students gain a basic understanding of the physical and biological science principles applied to human body structure. A virtual cadaver laboratory will simulate dissection and provide students with the opportunity to identify structures and better understand function through scientific observation.

3. "List faculty member(s) who will serve as instructor (give academic rank):
Catherine Carpenter, Associate Professor

Do you intend to use graduate student instructors (TAs) in this course? Yes _____ No _____

If yes, please indicate the number of TAs 1

4. Indicate when do you anticipate teaching this course over the next three years:

2010-2011	Fall	_____	Winter	_____	Spring	_____
	Enrollment	_____	Enrollment	_____	Enrollment	_____
2011-2012	Fall	_____	Winter	_____	Spring	_____
	Enrollment	_____	Enrollment	_____	Enrollment	_____
2012-2013	Fall	_____	Winter	_____	Spring	x
	Enrollment	_____	Enrollment	_____	Enrollment	60

5. GE Course Units

Is this an ***existing*** course that has been modified for inclusion in the new GE? Yes x No _____

If yes, provide a brief explanation of what has changed. We integrated basic physical science and biological concepts into the class and incorporated scientific methods of observation to link anatomical structure with functional significance.

Present Number of Units: 5 Proposed Number of Units: 5

6. Please present concise arguments for the GE principles applicable to this course.

❑ General Knowledge	N13 presents anatomical structures of the human body including the major organs and tissue groups with an emphasis on histologic properties of cells that comprise the systems. Students will be taught to characterize anatomical structures in relationship to physical examination by integrating clinical observation with normal organ structure and function. Underlying biology and physical science concepts will be used throughout the course to explain the mechanics and evolutionary significance of structures.
❑ Integrative Learning	N13 integrates anatomical structures with functional significance of how systems operate.
❑ Ethical Implications	N13 will explore societal views about anatomical deficiencies and unequal access to medical technologies designed to alleviate them.
❑ Cultural Diversity	Throughout our lectures we will discuss racial, ethnic, and cultural diversity in relationship to human population variation and evolution of the species.
❑ Critical Thinking	N13 will teach students how to characterize clinical problems in relationship to anatomical deficiencies, hypothesis formulation, objective observations to address the hypotheses, and drawing conclusions from the observations, with recognition of uncertainty.
❑ Rhetorical Effectiveness	Students will develop rhetorical skills in recording and maintaining a written interpretation of human anatomical structures in a laboratory notebook.
❑ Problem-solving	Students will participate in the laboratory environment by posing questions and developing answers. Students will solve critically challenging exam questions designed to teach critical thinking about the connection between structure and function of human organ systems.
❑ Library & Information Literacy	Students will utilize information from lecture presentations, podcasts, the course website, virtual dissections, virtual cadavers, and the primary medical literature to identify and synthesize key anatomical concepts.

(A) STUDENT CONTACT PER WEEK (if not applicable write N/A)

1.	Lecture:	**3**	(hours)
2.	Discussion Section:		(hours)
3.	Labs:	**2**	(hours)
4.	Experiential (service learning, internships, other):		(hours)
5.	Field Trips:		(hours)
(A) TOTAL Student Contact Per Week		**5.0**	**(HOURS)**

(B) OUT-OF-CLASS HOURS PER WEEK (if not applicable write N/A)

1.	General Review & Preparation:	**2.0**	(hours)
2.	Reading	**3.0**	(hours)
3.	Group Projects:		(hours)
4.	Preparation for Quizzes & Exams:	**2.0**	(hours)
5.	Information Literacy Exercises:	**2.0**	(hours)
6.	Written Assignments:	**2.0**	(hours)

7. Research Activity:	_____	(hours)
(B) TOTAL Out-of-class time per week	**11.0**	**(HOURS)**
GRAND TOTAL (A) + (B) must equal at least 15 hours/week	**16.0**	**(HOURS)**

University of California Los Angeles

School of Nursing

Nursing 13: Introduction to Human Anatomy

Spring Quarter, 2013

Course Number and Title:
Nursing 13: Introduction to Human Anatomy

Number of Credits:
5 credits. 4 hours/week lecture, 3 hours/week laboratory.

Catalogue Description:
Structural presentation of human body, including musculoskeletal, nervous, circulatory, respiratory, digestive, renal, and reproductive systems. Laboratory uses virtual cadaver dissection and examination. Letter grading.

Prerequisite:
None

Course Objectives:
Upon successful completion of this course, the student will be able to:

1. Apply the universal laws of physics and chemistry to anatomical structures of the human organism through lectures, laboratory experiences, writing up experimental results, and discussion.
2. Integrate anatomical structures with functional significance of how organs operate.
3. Recognize the histologic properties of cells that comprise the major organ systems.
4. Demonstrate a theoretical understanding of how the human body functions through mechanical conceptualization.
5. Name, identify, and differentiate the spatial and functional relationships of anatomical structures.
6. Characterize the underlying anatomical structures in relationship to developing a foundation for physical examination by integrating clinical observation with normal organ structure and function.
7. Develop familiarity with the scientific method through characterizing clinical problems in relationship to anatomical deficiencies, formulating hypotheses, making objective observations to address the hypotheses, and drawing conclusions from the results.

Skills/Competencies:

1. Inspect and recognize human anatomical structures.
2. Locate and differentiate the function of human organ systems.
3. Record and maintain a written interpretation of the inspection of human anatomical structures in a laboratory notebook.
4. Critical thinking about the connection between structure and function of human organ systems.

Teaching Methods:

Lecture, discussion, stimulated laboratory dissections, maintenance of a laboratory notebook.

Attendance Policy:

It is important that future nursing majors show commitment to their field by reliably showing up to all lectures. Attendance in the laboratory is mandatory. All material is due at the time and on the dates specified in the syllabus.

Faculty Responsible for the Course:
Catherine L. Carpenter, PhD, MPH
Adjunct Associate Professor of Medicine, Nursing, and Public Health
UCLA Center for Human Nutrition
Room 14-193 Warren Hall
Email: ccarpenter@mednet.ucla.edu
Telephone: 310-567-8614 (mobile: send text message for urgent matters & emergencies—please include your name with message)
Office Hours: After lab, or by appointment

Teaching Assistant:
Soultana Haftoglou, MPH
Email: shaftoglou@ucla.edu
Office Hours: to be determined

Course Evaluation:

A. **Lecture (worth 75% of grade)**

Two midterms (each worth 100 points) and final exam (worth 200 points)

B. **Laboratory (worth 25% of grade)**

One midterm lab quiz (20 points); lab final (30 points); post-lab quizzes (20 points); laboratory notebook that contains observations from virtual anatomical dissections and specimens (30 points); extra credit report (10 points).

Lecture:
Lecture meets twice a week. Lecture slides will be posted in advance on the Moodle course website. Students are welcome to download the lecture material prior to lecture.

Laboratory:
Laboratory meets right after lecture. Half the class will be assigned to one laboratory meeting after the first lecture. Rest of class will be assigned to laboratory that meets after the second lecture.

A more detailed description about the laboratory is provided in the **Anatomy Laboratory Guide** contained in a separate document.

Laboratory Notebook

Maintaining an accurate and consistent notebook is essential to all laboratory work including molecular biology, human biology, and clinical research. We will teach you how to record information based on observations. Dr. Carpenter and the Teaching Assistant will provide feedback about your notebook on an on-going basis. Laboratory notebooks will be due upon completion of all laboratory sessions.

Required Materials:

Text:

Marieb E.N., Wilhelm P.B., & Mallatt J. (2011). *Human Anatomy, 6th Ed*. San Francisco, CA: Pearson/Benjamin Cummings. ISBN 10: 0-321-61611-1.

Software:

Practice Anatomy Lab (P.A.L.) 3.0. (2012). San Francisco, CA: Pearson/Benjamin Cummings.

Note: Practice Anatomy Lab (P.A.L.) 3.0 is bundled along with the text.

N13: Introduction to Human Anatomy, Lecture and Laboratory Schedule, Spring 2013

Week 1	Class 1		Class 2		Laboratory 1
	Introduction Cells and Four Tissue Groups Reading: Marieb chap 1-2,4		Anatomical Definitions Embryology of tissues & organs Marieb chap 3		Orientation to laboratory Histology of Four Tissues
Week 2	**Class 3**		**Class 4**		**Laboratory 2***
	Muscles and Muscle movement part 1 Marieb chap 10		Muscles of whole body, part 2 Marieb, Chap 11 & 23 (p673-675) Follow handout guide for chap 11		Muscular system
Week 3	**Class 5**		**Class 6**		**Laboratory 3***
	Nerve cells/tissue Central nervous system Marieb chap 12, 13 (p 374-411)		Peripheral Nerves Autonomic Nervous System Marieb chap 14 (426-442) 15 (p463-473)		Nervous System
Week 4	**Class 7**		**Class 8**		**Laboratory 4***
	In class midterm		Digestive System; Marieb chap 23		Digestive Organs
Week 5	**Class 9**		**Class 10**		**Laboratory 5***
	Blood Tissue & Heart Marieb chap 18 & 19 (p556-570)		Blood Vessels & Respiratory Marieb chap 20 & 22 (p 635-652)		**Lab quiz** Cardiovascular/Respiratory
Week 6	**class 11**		**class 12**		**Laboratory 6***
	Urinary System; Marieb, chap 24		Reproductive; Marieb, chap 25		Reproductive/ Excretory
Week 7	**class 13**		**class 14**		**Laboratory 7***
	Bones & Skeleton, part 1 Marieb chap 6, chap 7 p159-161		**In class midterm**		Skeletal System
Week 8	**class 15**		**class 16**		**Laboratory 8**
	Bones & Skeleton, part 2 Marieb, Chap 7, p167-180; Chap 8		Joints, Marieb chap 9		Integration Lab I
Week 9	**class 17**		**class 18**		**Laboratory 9**
	Organ interconnectivity, part 1 Movement: Neuro-musculoskeletal		Organ interconnectivity, part 2 Excretion: Urinary, Respiratory, Digestive		Integration Lab II
Week 10	**class 19**		**class 20**		
	All systems review, part 1		All systems review, part 2		**Lab Practicum/notebooks due**

UCLA Course Inventory Management System

Main Menu | Inventory | Reports | Help | Exit

New Course Proposal

	Nursing 13 Introduction to Human Anatomy
Course Number	Nursing 13
Title	Introduction to Human Anatomy
Short Title	INTRO-HUMAN ANATOMY
Units	Fixed: 5
Grading Basis	Letter grade only
Instructional Format	Lecture - 4 hours per week Laboratory - 3 hours per week
TIE Code	LECS - Lecture (Plus Supplementary Activity) [T]
GE Requirement	No
Major or Minor Requirement	Yes
Requisites	None.
Course Description	Lecture, four hours; laboratory, three hours. Structural presentation of human body, including musculoskeletal, nervous, circulatory, respiratory, digestive, renal, and reproductive systems. Laboratory uses virtual cadaver dissection and examination. Letter grading.
Justification	Introduction to Anatomy is a required course for all undergraduate Nursing students in their first year. There is a strong need for a basic Anatomy course for nursing students and other health science students, at UCLA and other institutions. At this time, UCLA Nursing students take Anatomy through UCLA Extension, which is a less than ideal solution, as the faculty have less control of the course content and delivery, and are struggling in their subsequent Pathophysiology coursework. Further, students also need Anatomy to be noted on their UCLA transcript and have a letter grade associated with the class.
Syllabus	File *N13 Anatomy syllabus (PC F11).doc* was previously uploaded. You may view the file by clicking on the file name.
Supplemental Information	
Grading Structure	In class Exam 1: 15% In class Exam 2: 15% Final Exam (cumulative): 30% Laboratory notebook: 10% Laboratory quizzes: 10% Laboratory practicum (cumulative): 20%
Effective Date	Summer 1 2012
Instructor	Name: Catherine Carpenter Title: Associate Adjunct Professor
Quarters Taught	☐ Fall ☑ Winter ☐ Spring ☑ Summer

Department	Nursing	
Contact	Name	E-mail
	IRINA TAUBER	itauber@sonnet.ucla.edu
Routing Help		

ROUTING STATUS

Role:	Registrar's Office
Status:	Processing Completed

Role:	Registrar's Publications Office - Hennig, Leann Jean (lhennig@registrar.ucla.edu) - 56704
Status:	Added to SRS on 10/28/2011 9:07:20 AM
Changes:	Description
Comments:	Edited course description into official version.

Role:	Registrar's Scheduling Office - Thomson, Douglas N (dthomson@registrar.ucla.edu) - 51441
Status:	Added to SRS on 10/27/2011 4:09:55 PM
Changes:	Short Title
Comments:	No Comments

Role:	FEC Chair or Designee - Tauber, Irina (itauber@sonnet.ucla.edu) - 55884
Status:	Approved on 10/24/2011 3:25:14 PM
Changes:	No Changes Made
Comments:	Course approved on behalf of the Chair of FEC, Dr. Barbara Bates Jensen and the Associate Dean of Academic Affairs, Dr. Peggy Compton

Role:	Initiator/Submitter - Tauber, Irina (itauber@sonnet.ucla.edu) - 55884
Status:	Submitted on 10/24/2011 11:02:54 AM
Comments:	Initiated a New Course Proposal

Back to Course List
