

FN 457/657 Advanced Nutrition and Human Metabolism
Fall 2016

Course Description: This 3-credit writing emphasis course provides an integrated study of normal nutrient function and utilization in humans. Although the focus is normal metabolic functioning, we will also discuss the metabolic characteristics of health conditions relevant to the dietetics professional, including diabetes, hyperlipidemia, hypertension and the effect of exercise conditioning. Students will draw on foundation knowledge acquired in or refer to resources from the following prerequisite courses: CHEM 260 Elementary Biochemistry and BIO 285 Human Physiology.

Class Schedule: Monday and Wednesday, 2:00- 3:30 PM in CPS 228

Instructor: Ashley Chrisinger MS, RD, CSO, CDN
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email: achrisin@uwsp.edu
office hours: directly after class on Mondays or by appointment

Text (available at text rental): ADVANCED NUTRITION AND HUMAN METABOLISM, 6TH Edition, by Gropper and Smith, 2013. Published by Wadsworth, Cengage Learning.

Supplementary Resources: power points, tutorial quizzes, and study guides on the textbook's companion website at <https://login.cengage.com/cb/>

Student Objectives:

1. To integrate physiology, biochemistry and nutrition in the context of normal human metabolism.
2. To recognize the metabolic basis for contemporary health issues relevant to the dietetics professional.
3. To recognize clinical assessments of metabolic functioning.
4. To discuss the molecular basis for individual response to interventions (diet, exercise, medication).
5. To employ critical thinking strategies in applied problem-solving exercises and discussions.
6. To develop scientific and professional writing skills.
7. To develop skills to research, review and evaluate the scientific literature.

ACEND: Standards for Didactic Programs in Nutrition & Dietetics

KRD 1.1: The curriculum must reflect the scientific basis of the dietetics profession and must include research methodology, interpretation of research literature and integration of research principles into evidence-based practice.

KRD 2.1: The curriculum must include opportunities to develop a variety of communication skills sufficient for entry into pre-professional practice.

KRD 5.2: The physical and biological science foundation of the dietetics profession must be evident in the curriculum.

LEARNING ENVIRONMENT

Rights and Responsibilities

UWSP values a safe, honest, respectful, and inviting learning environment. The *Rights and Responsibilities* document explains how instructors and students are expected to maintain this environment. For more information go to: <http://www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilities.aspx>

Academic Integrity

Academic integrity is central to the mission of higher education and dishonesty is not tolerated. Please refer to the UWSP "Student Academic Standards and Disciplinary Procedures" section of the *Rights and Responsibilities* document, Chapter 14.

<http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/SRR-2010/rightsChap14.pdf>

Special Accommodations

If you require classroom and/or exam accommodations, please register with the Disability Services Office and then contact the instructor at the beginning of the course.

In-class use of electronic devices

Cell-phones, ipods, and other electronic devices are not to be used during class. Laptop computers may be used during class only for class-related work such as note-taking. You are on your honor to not access unrelated websites, play games, text message, tweet, etc. during class.

Attendance

Students should plan to attend all classes and are responsible for all information presented in class. Notify the instructor in person, by telephone or email if an absence is anticipated. It is the student’s responsibility to obtain any lecture notes or other information from the missed class session from other students, not from the instructor. Only after such material is obtained from other students can an appointment be made with the instructor to discuss and clarify the information presented in the missed class session. Three unexcused absences will result in a conference with the instructor.

Exams

Exam questions may be drawn from lecture, class discussion, textbook and journal article material. A student must notify the instructor, prior to a test, if he/she will be absent. Without prior notification, exams cannot be made up. Should you feel that an exam has been unfairly graded, you will have one week from the day exams are handed back to request a re-grade of the exam. After the one week period, no test will be accepted for re-grading. The majority of exam questions will be essay format.

Reading Assignments

Relevant chapters are listed in the syllabus. Specific page assignments will be given in lecture and supplemental print material will be distributed as needed throughout the semester.

Written Assignments

Written work must be typed or computer-printed, double-spaced with no more than 1” margins, and written in complete sentences with proper punctuation, grammar and spelling. Writing style will be formal with the aim of developing a professional writing style. Some characteristics of the biomedical style of scientific writing may be employed, including proper in-line citations and bibliography. Assignments will be graded on professionalism, appropriate grammar, use of scientific, medical or nutrition professional terminology, proper punctuation and spelling. Promptness is expected for all assignments due to the instructor or writing partner. Late assignments which have not been discussed prior to the deadline will be docked 1 full letter grade for each day the assignment is late.

Please see the instructor if you have any questions or concerns about meeting the requirements of this course as stated in the syllabus.

Percent	Letter Grade
93-100	A
90-92.9	A-
86-89.9	B+
83-85.9	B
80-82.9	B-
77-79.9	C+
73-76.9	C
70-72.9	C-
67-69.9	D+
60-66.9	D
below 60	F

Learning Activities	Points
3 Abstracts (25 pts each)	75
4 Exams (100 pts each)	400
In-class writing assignmtns	25
Total Points	500