Laboratory Assessment of Human Nutrition
F&N 436, Fall 2007

Class Times:
Lecture: Tuesdays 10:30-11:20 SMTH 118
Lab A: Wednesdays 9:30-12:20 STON 227
Lab B: Thursdays 7:30-10:20 STON 227
Lab C: Thursdays 1:30-4:20 STON 227

Instructors:
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Teaching Assistant:
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Office Hours: by Appointment

Required Readings:
☞ WebCT Vista Class Notes and Presentation PPTs

Objectives:
Upon completion of this course, students will be able to:
1. Apply the theories and research methodologies of nutritional assessments and evaluations including anthropometric, biochemical, clinical, and dietary measurements (ABCD);
2. Assess and interpret ABCD measurements for various nutritional and health risks;
3. Conduct interviews in a simulated setting;
4. Recite & use appropriate medical terminology in nutrition assessment;
5. Interpret current research related to assessment.

Grading:
2 examinations 200 pts A 360+ points
8 medical terminology quizzes 80 pts B 320-359 pts
11 lab reports (drop lowest) 100 pts C 280-319 pts
1 nutrition counseling report 20 pts D 240-279 pts

Total 400 pts

Exams:
Two exams will be given in this class. The first will be given during lecture on Oct. 2, 2007 and include material covered up to that point in both the lecture and laboratory. The second exam will be administered during final exams week and include all of the material covered in lecture and lab after the first exam.
Medical Terminology Quizzes
The medical terminology module involves self-study of the Medical Terminology textbook and software. Progress is evaluated through eight 10-point quizzes administered via WebCT Vista on the dates indicated on the schedule. Refer to page 3 of this syllabus for more information on this self-study module.

Lab-Specific Instructions
Students must wear lab coats during all wet labs. Disposable gloves and other types of protective material will be provided. Please inform your instructor of any allergies or sensitivities to chemical substances. **There are no make-ups for lab classes.**

For labs 7 through 13 students are to maintain a lab notebook in the form of an “official” laboratory notebook with duplication pages. Prior to each lab, students must write up the experimental purpose, and methods, as well as prepare the tables to record the results. During the lab, the numeric results obtained should be written in these previously prepared tables. The write-up will be checked at the beginning of each lab section and account for 10% of the report grade. **The complete report for each lab experiment (including copies of the previously prepared material) will be due when indicated on the attached schedule. If assignments are late there will be a 10% penalty for each 24 hour period.**

Academic Integrity
Purdue University supports a strong academic integrity policy. Dishonesty of any kind, such as cheating, plagiarism, and any other form, is NOT acceptable and will NOT be tolerated in this course. It is the responsibility of the student to know what constitutes dishonesty, avoid it, and to avoid even the appearance of any act of dishonesty. The Office of the Dean of Student publishes a pamphlet entitled “Academic Integrity - A Guide for Students”. If you do no know what constitutes dishonesty with regard to your academic responsibilities, please secure a copy of this pamphlet from the ODOS or from the web site: [http://www.purdue.edu/ODOS/osrr/integrity.htm](http://www.purdue.edu/ODOS/osrr/integrity.htm)

Some examples of cheating/plagiarism for this class are as follows.
- Copying text from lab partners for reports for this course: Even though students work in groups to generate data for lab reports, all reports are to be written exclusively by each student, and, as such, wording in each report should be distinct.
- Copying text from web sites, from a book or paper without proper citation: All material reproduced verbatim from a published source should be properly cited.
- Copying information from another student during an exam

Copyright materials
Permission was received, and is on file, from copyrighted sources for all materials in the course packet.

Statement of Policy Concerning Prejudice
In this class, as in the entire University, ANY form of prejudice will NOT be tolerated. If you believe that there is prejudice in any form with this class, you should discuss your concerns with the course instructor, another trusted professor, a counselor in the School of Consumer and Family Sciences, a counselor in the Office of the Dean of Students.
MEDICAL TERMINOLOGY SELF-STUDY MODULE

The medical terminology has been included in this course as a **self-study module**. You are expected to spend time reviewing the information in each unit of the textbook so that you gain a working knowledge of the medical terms that are used in nutrition assessment. This information will not be reviewed during class or lab times. To assess completion of the Medical Terminology Self-Study Module eight quizzes will be administered during the semester. The dates of the quizzes are listed on the class schedule. The scores for the quizzes will be included in the overall grading for the course. You will be given approximately 20 minutes to take each quiz online and only one attempt will be allowed. Each quiz will have twenty questions and be worth 10 points. Quizzes will be available to take online from 8 AM, Monday until 11 PM, Friday of the week scheduled for each quiz.

The workbook has been divided into 8 equal parts as identified below. **YOU WILL NEED TO MASTER SECTION A BEFORE YOU BEGIN THE ACTUAL WORD UNITS.** Each quiz covers the following as indicated:

- **QUIZ 1:** Units 1 and 2
- **QUIZ 2:** Units 3 and 4
- **QUIZ 3:** Units 5 and 6
- **QUIZ 4:** Units 7 and 8
- **QUIZ 5:** Units 9 and 10
- **QUIZ 6:** Units 11 and 12
- **QUIZ 7:** Units 13 and 14
- **QUIZ 8:** Units 15 and Charting abbreviations (bottom of pp. 576-579)

Below are some examples of quiz questions to guide you in your studying. The answer **must be exactly** as in the workbook in terms of spelling, etc. for your answer to be counted correct. Also, the correct form of the word (noun, adjective, etc.) must be used.

1. **Dx** means ____________. (diagnosis)
2. **BP** means ____________. (blood pressure)
3. A person that has enlarged extremities has ____________. (acromegaly)
4-5. Dermatitis means ____________ of the ________. (inflammation, skin)
6. __________ is a suffix which means condition. (osis)
7. The suffix for pain in Unit 2 is __________. (algia)