

CHEMISTRY 333 Tentative Lecture Syllabus
Introductory Environmental, Clinical, and Forensic Chemical Analysis (20350)
2008 (0830) 1/7/2008 - 5/9/2008
Requirements for Lecture Section

Instructor: Dr. Alena Kubatova *Phone :* 777-0348
E-mail: akubatova@chem.und.edu
Office Hours: The consultations will be done via E-mail

Required material for the lecture section.

NOTE: Students will be required to complement this class with the laboratories.

Text aligned with the lectures: **Instant Notes in Analytical Chemistry**
D. Kealey and P.J. Haines
ISBN 1 85996 189 4

In regular classes we have recently started to use another textbook, which is easier to follow and have more problems to study. Student may opt for this textbook, although they need to be aware that the references within lectures will not be referring to this book. However, the instructor will provide this info via blackboard:

Exploring Chemical Analysis
Third Edition
Daniel C. Harris
ISBN 0-7167-0571-0

http://www.whfreeman.com/college/book.asp?disc=&id_product=1149000243&compType=SUM

Blackboard Website: www.online.und.edu

Attendance: Lectures are available electronically, students are responsible for learning the material and completing quizzes and home works.

Academic integrity: Students are expected to display academic honesty as defined in the code of Student Life and the Dictionary of Academic Integrity. Academic dishonesty will result in failing the course.

Grading: Students will be graded based on exams and laboratory skills. The following point scale will apply:

<u>Lecture</u>	Exams (2)	200 points (100 each)
	Final	150 points
	On-line quizzes	90 points
		440 Total Points

Letter Grades: **A (≥90%), B (89-80%), C (79-70%), D (69-55%), F (<55%)**

Goal: The goal of Chemistry 333 is to introduce the student to modern quantitative and qualitative analytical chemistry. An understanding of analytical chemistry is essential for those who wish to work in areas that are critically important in today's society. For example, clinical, forensic, and environmental laboratories could not function without the proper implementation of the many techniques, methods, and concepts that will be presented during this course. In

addition to the lecture portion of this class, Chemistry 333 students will also perform laboratory experiments that will allow them to implement many of the methods and techniques described. These laboratory experiments are available on the UND Blackboard website for this course. Additional safety and procedural information will be given during these laboratory sessions.

Student's approach:

The exam questions will involve problem solving; simple scanning of the learning material won't help in the preparation at all. Every student in Chemistry 333 is **strongly** encouraged to use **ALL** of the learning resources that will be made available.

- Extra credit question helps not only your score, but also understand the topic and prepare for exams. The extra credit questions need to be answered using E-mail within the specified time.
- Student has available online lectures and set of slides included in the lectures to allow for easier learning. **The lecture notes** are provided so the student has time to listen to lecture and **make additional explanatory notes**. Lecture notes should ease the work of student, but are **NOT self-explanatory**.
- Solving **all assigned problem sets and quizzes helps to develop problem solving ability**. Much of this course is built around solving chemical "word problems". Practice in solving these problems will be crucial to your success!! "Short-cuts" are dangerous.
- The **textbook** gives good overview of material covered. Nevertheless to learn students need to study practice problems. Thus along with lecture student will get supplemental material in the form of a homework. Practicing and solving of those problems will ensure successful accomplishment of the class.
- Do not hesitate to **ask questions** and **for help** if you are having trouble. If you don't ask, nobody can help you. Don't be afraid to ask, there are no too simple questions. To make sure you get help, please make an appointment.
- Although asking questions is very important, it is also important to **study on your own**. The ability to achieve university degree corresponds to **the ability to study and think independently**. Therefore, students are expected to try to understand the topic on their own and go through learning material prior to the appointment.

Disability Statement: If you need accommodations in this course because of a disability, if you have emergency medical information to share with me, or if you need special arrangements, please make an contact me or DEDP as soon as possible.