

quizzes may be given during the lectures each of 1-2 points value. Those will be **extra points**.

The following approximate point- scale will apply:

<u>Lecture</u>	Exams (3)	360 points (120 each)
	Final	150 points
	On-line quizzes	<u>100 points</u>
		610 points

Letter Grades: A ($\geq 90\%$), 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.

- **Attendance** with extra credit question helps not only your score, but also understand the topic and prepare for exams.
- **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. Aalong with lecture student will get supplemental material in the form of homework. The homeworks are not required. However, 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.