

### CH 325 Study / preparation tips:

Instructor's advice:

Be familiar with the following problem-solving skills from calculus I and II:

1. Basic differentiation
2. Basic integration, including evaluation of integrals between limits
3. Power series
4. Applications such as the integral being the area under a curve
5. Separation of variables and independently integrating each side of the equation
6. Application of slope
7. Chain rule

Students should also review or study on their own:

1. Partial differentiation
2. Three-dimensional surfaces and their construction
3. Dimensional analysis and the SI system

The two really important areas underlying all of physical chemistry that should be emphasized are critical thinking skills and problem solving ability.

Advisor's advice:

1. If possible, take CH 355/355L (spring or summer) prior to CH 325/325L (fall).
2. Work all sample problems given by instructor.
3. See instructor for additional consultation anytime your own serious study, text reading, and problem solving leave you confused.
4. Consult the [chemistry tutor list](#) if you need to hire a tutor.
5. On exams, read the question carefully and when you have completed work on a problem, read the question again to be sure your answer (including units of measurement) fits the question!!