Benefits
- Whole Life - continuous and yearly cases.
- Term Insurance, Endowment Insurance, and Pure Endowment
- Deferred Insurance Benefits
- Approximations: Claims Acceleration and UDD.
- Variable Insurance Benefits
- Calculating and interpreting Actuarial Present Value

Annuities
- Whole Life Annuity Due - continuous and yearly cases, relation to Benefits.
- Term Continuous Annuity
- Deferred Annuity
- Evaluating Annuities Using Recursion
- Evaluating Annuities Using UDD for $\ddot{a}_x^{(m)}, \dddot{a}_x^{(m)}$ and $\dddot{a}_x$.
- Woolhouse's Formula - for $\ddot{a}_x^{(m)}, \dddot{a}_x^{(m)}$ and $\dddot{a}_x$.
- Calculating and interpreting Actuarial Present Value
- Guaranteed Annuities

Basic Topics
- Compute the expected future lifetime given a mortality model.
- Compute annuity and benefit values if given a life table.
- Recursion!
- Integration!

Review HW Questions assigned for Chapters 4 and 5, as well as all examples covered in class. This will give you an excellent study base.