This course covers recent developments in empirical labor economics along with econometric methods commonly used in contemporary research on labor markets.

**Course Outline**

**Part I: Education and Human Capital**

*Returns to schooling*


Methods: Potential outcomes, instrumental variables (IV), regression discontinuity (RD)

*College quality*


Methods: Matching/selection on observables

*School effectiveness*


Methods: RD, IV

Part II: Discrimination and Group Differences

Group differences in the labor market


Methods: Oaxaca-Blinder decompositions

Experimental approaches


Methods: Experiments, empirical Bayes

Algorithmic bias


Methods: Machine learning techniques, hazard models

Part III: Self-selection

Roy and generalized Roy models


Methods: Control functions, IV, marginal treatment effects

*Self-selection applications*


Methods: IV, discrete choice, dynamic models

**Part IV: Minimum Wages**


Methods: Difference-in-differences (DiD), “gap” designs

**Part V: Firm Wage Premia**


Methods: High dimensional fixed effects

**Part VI: Monopsony, Rent-Sharing, and Outside Options**


Methods: Discrete choice modeling, DiD, experiments, fixed effects