**ESP 162--Key concepts list:** Useful for directing your reading and studying for exams. NOTE: this list may be modified as we go to reflect new concepts covered; includes most of the key concepts but is not necessarily a comprehensive study guide.(*Last updated: 2/6/22.)*

policy

analysis

policy analysis

economics

environmental economics

resource economics

economic rationality

economic incentives

opportunity cost

scarcity

trade-off

externality

deontological ethics

teleological ethics

utilitarian ethics

Pareto efficiency

Kaldor-Hicks efficiency

demand, marginal benefit, marginal willingness to pay

elasticity

total benefits, total willingness to pay

supply, marginal cost, marginal willingness to accept

total cost

marginal net benefits

(total) net benefits, surplus

aggregate net benefits

equimarginal rule

market

market equilibrium

rational choice

first theorem of welfare economics (FTWE)

market failure

externality

open access resource (OAR)

excludable/non-excludable

rival/non-rival

pure public good (versus private, OAR and club)

Nash equilibrium

benefit-cost analysis

benefit-cost ratio

expected value

discounting; discount rate

willingness to pay vs. willingness to accept

use vs. non-use value

existence value

contingent valuation

revealed preference methods

hedonic pricing method

regression analysis

value of a statistical life

travel cost method

averting cost method (might not cover)

abatement vs. compliance cost

partial equilibrium vs. general eq’m analysis (secondary effects)

progressive vs. regressive

**\*\*\*\*\*\*\*midterm cutoff\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

efficiency versus cost-effectiveness (CE)

reserve site selection (RSS)

algorithms for RSS (greedy, hotspots, CE)

fairness/equity/distribution

transactions costs

cobra effect

G.U.M.P. (w/respect to greenhouse gases)

Social cost of carbon

command and control policy

standards

technology vs. performance standards

uniform vs. non-uniform standards

market-based instruments

Pigovian tax

cap and trade, transferrable discharge permit

carbon offset

sources of value from biodiversity (examples)

policy tools for conservation (examples)

conservation/mitigation banking

conservation of Central Valley birds with payments for ecosystem services (PES) & reverse auctions

Sale of legal ivory stockpiles

Coase Theorem & Coasean negotiation/bargaining

property rights

liability law

strict liability

channeling of liability

liability limits