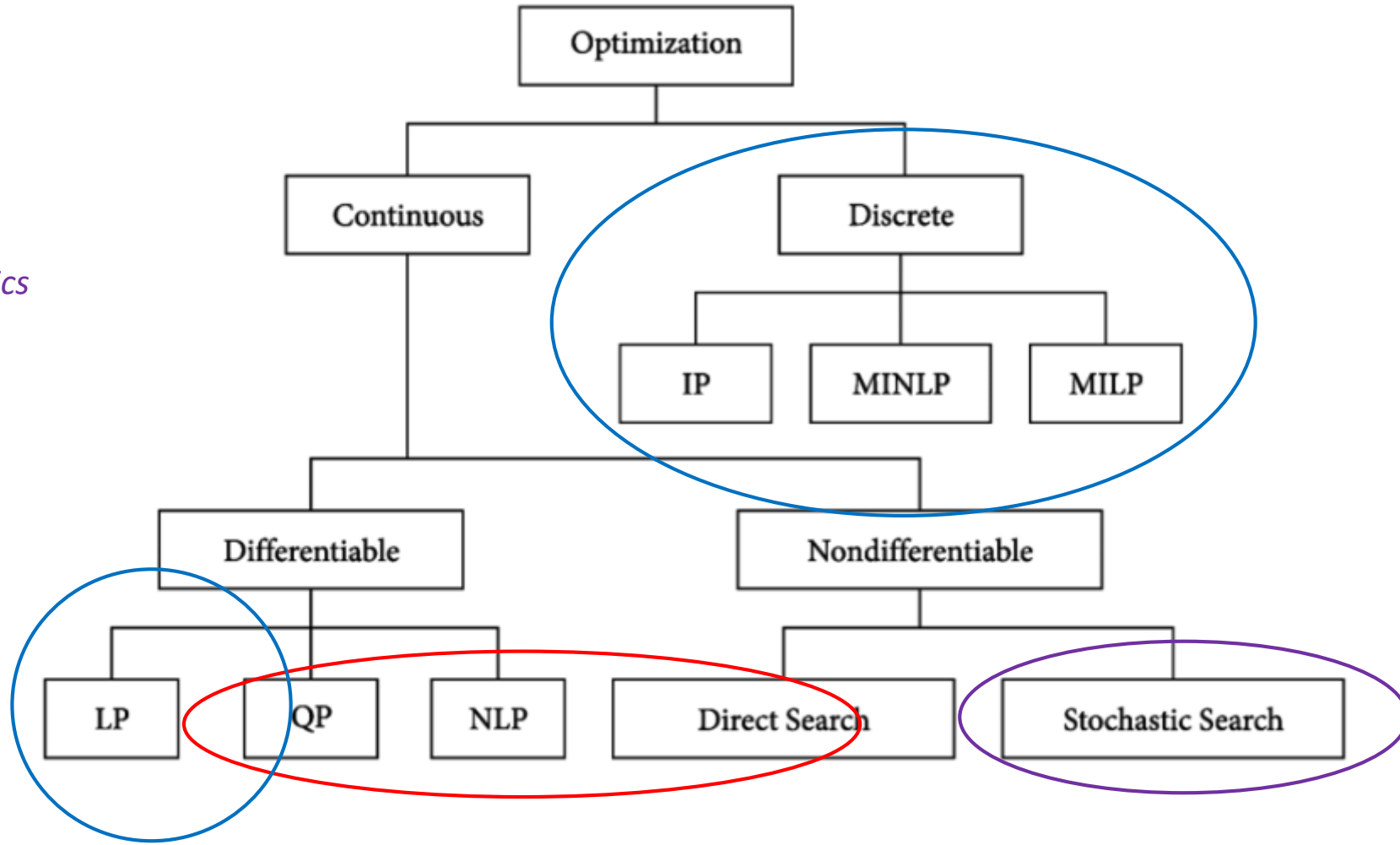
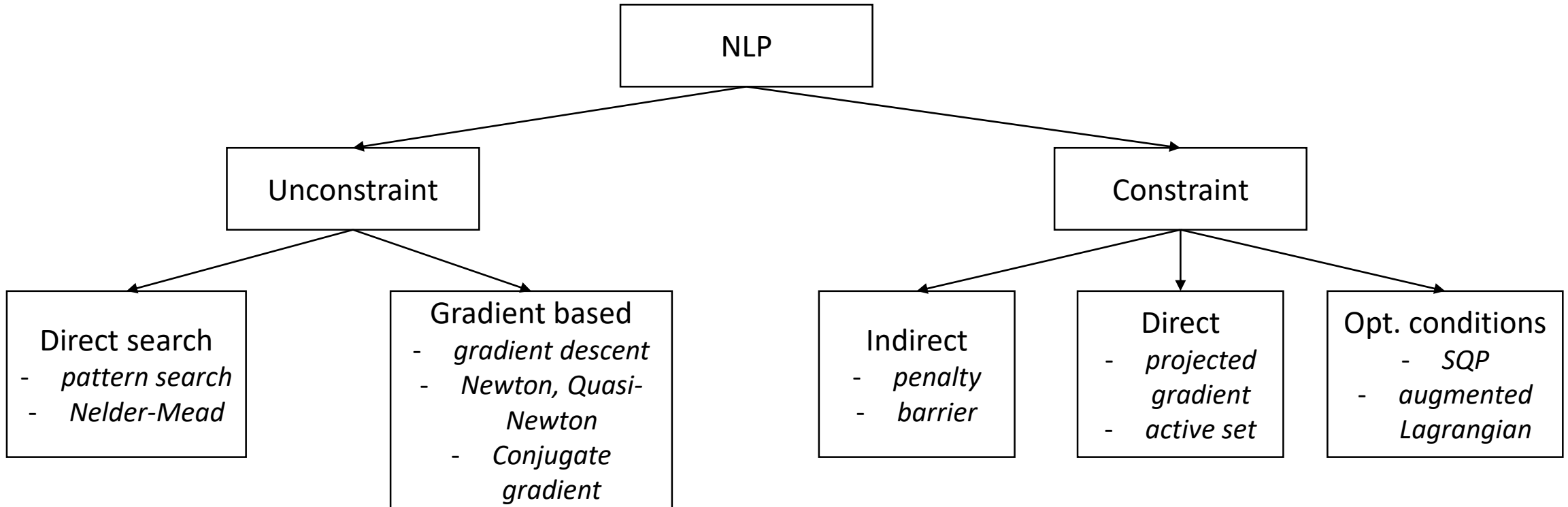


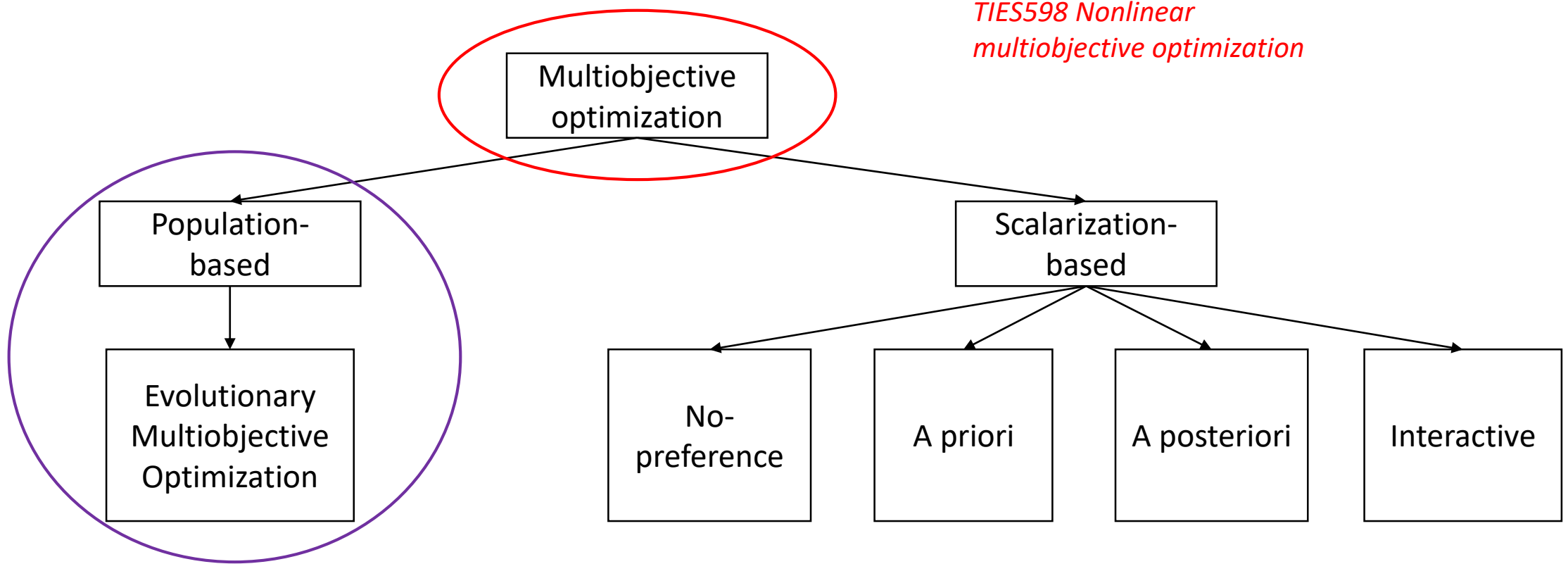
*TIEA382 Linear and
discrete optimization*

*TIES483 Nonlinear
optimization*

*TIES451 Selected topics
in soft computing*







*TIES598 Nonlinear
multiobjective optimization*

*TIES451 Selected topics
in soft computing*

Decision maker's involvement

Tools used in the course

- Python
- Jupyter Notebooks
 - Different Kernels, e.g. Python and R
- Scipy.optimize
 - Optimization package including different types of optimizers
- Pyomo
 - Algebraic modelling language for defining optimization problems
 - External optimizers can be used (glpk, Cplex, Gurobi, Ipopt, Baron,...)
- IND-NIMBUS, WWW-NIMBUS and DESDEO for interactive multiobjective optimization