CONSTRUCTION COST ESTIMATING (COES1-CE)

COES1-CE 9308  Construction Cost Estimating  (0 Credits)
Acquire an overview of the theory, procedures, and practices used
to develop project estimates and final bid price. Topics include the
bidding process; the bid package; general conditions; subcontractor
bid comparisons; planning for the estimate; internal and external
management considerations; the pre-design, conceptual, and preliminary
budgets; design review; pre-construction and detailed estimates; unit
prices; lump-sum bids; direct and indirect costs; overhead; bonds; and
insurance.
Grading: SPS Non-Credit Graded
Repeatable for additional credit: Yes

COES1-CE 9358 Reading and Interpreting Construction Drawings (0 Credits)
Construction project managers need to be able to read construction
drawings and plans accurately. This course covers plans, specifications,
and construction/working drawings for reinforced concrete, steel, wood
frame, and masonry construction, as well as for some mechanical and
electrical construction. Topics include floor plans, elevations, sections,
details, symbols, schedules, specifications, and abbreviations used in
architectural and engineering drawings.
Grading: SPS Non-Credit Graded
Repeatable for additional credit: Yes

COES1-CE 9371 Advanced Construction Documents: From Drawings to
the Built Form (0 Credits)
For those who already have a basic knowledge of construction drawings
and plans, this course explores plan reading in greater detail, the
coordination of trades, and general constructability issues such as the
drawn detail versus the built form. Building systems include the
foundation, framing, curtain wall, mechanical and electrical systems, and
the relationship between material designations and the coordination of
individual building components; also are covered in depth.
Grading: SPS Non-Credit Graded
Repeatable for additional credit: Yes