TBCC Building Construction Tech

**TBCC 5131G Construction Cost Estimating**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Methods and procedures in estimating costs of construction projects. Topics include types and purposes of estimates, direct and indirect labor costs, labor and equipment cost analysis, the CSI Masterformat, approximate estimates, and computerized estimating. Three single period lectures. Three semester credit hours.

**TBCC 5132G Project Planning & Scheduling**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamentals and techniques of planning and scheduling for construction projects. Topics include bar charts, Critical Path Method using both arrow and node networks, precedence networks, cost-time trade-offs, PERT, resource leveling, updating schedules during construction, introduction to project control, and computerized scheduling. Two single period lectures and one double period lab.
**Cross Listing(s):** TBCC 5132.

**TBCC 7130 Conceptual Cost Est.**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of preliminary construction cost estimating methods including Order of Magnitude estimates, Area and Volume estimates and Assemblies (Systems) estimates. Emphasis is on Assemblies estimating and a project is required. Systems include superstructure, foundation, roofing, exterior closure, mechanical, electrical, interior construction, site work, and general conditions. Three single period lectures.