

AIT-2990: CONTRACTING IN A DIVERSE WORLD

Cuyahoga Community College

Viewing: AIT-2990 : Contracting in a Diverse World

Board of Trustees:

2012-05-24

Academic Term:

Spring 2019

Subject Code

AIT - Applied Industrial Technology

Course Number:

2990

Title:

Contracting in a Diverse World

Catalog Description:

Capstone course in Applied Industrial Technology. Study of construction contracting principles, procedures and practices including estimating and subcontracting practices. Includes working with diverse workforce groups in union and non-union settings utilizing teamwork.

Credit Hour(s):

3

Lecture Hour(s):

3

Requisites

Prerequisite and Corequisite

Departmental approval: completion of more than fifty percent of the respective trade apprenticeship.

Outcomes

Course Outcome(s):

Apply knowledge of contracting principles, procedures and practices including estimating and subcontracting practices, when preparing and submitting job proposals/bids.

Objective(s):

1. Discuss estimating guidelines.
2. Prepare a sample bid in accordance with estimating guidelines.
3. Discuss and compare union considerations.
4. Apply materials pricing concepts when preparing job proposals.
5. Identify subcontractors working on a specific construction project.
6. List the quality control measures to be used when reviewing a job proposal and discuss their economic impacts on job proposals.

Course Outcome(s):

Demonstrate the ability to work with diverse groups including union and non-union personnel utilizing teamwork and proper attitude.

Objective(s):

1. Discuss the advantages of maintaining a positive attitude while on a jobsite and the impact of negativity.
2. Identify diversity with respect to construction and contracting and discuss how issues regarding minority workers and contractors are being addressed.
3. Explain residency requirements on federally funded jobsites and discuss the economic effects on communities.
4. Identify three trade associations in the contractors region.
5. Discuss elements of apprentice and crafts labor history in the United States.
6. Identify legal and ethical guidelines associated with diverse non-traditional workers on site.

Methods of Evaluation:

1. Demonstration of outside project assignments that provide overview of the field
2. Written reports

Course Content Outline:

1. Attitude and teamwork
 - a. Advantages
 - b. Disadvantages
2. Estimating principles
 - a. Elements of estimating
 - b. Computerized tools
3. Subcontracting
 - a. Sources of subcontractors
 - b. Quality assurance
 - c. Legal factors
 - d. Economic factors
4. Materials
 - a. Supplier considerations
 - b. Costing and negotiating
 - c. Logistical considerations
5. Site supervisions
 - a. Selecting supervisions
 - i. Skills
 - ii. Other considerations
 - b. Site and organizational discipline
 - i. Union contract
 - ii. Legal considerations
6. Union vs. non-union
 - a. Signatory contractors
 - b. Mixed sites
 - c. Organizing practices
7. Apprentice and craft history
 - a. European roots of apprenticeship
 - b. American labor management history
8. The diverse, non-traditional workforce
 - a. Legal guidelines
 - b. Ethical considerations
 - c. Minorities
 - d. Contracting
 - e. Workforce

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Resources

Zehner, John R. *Builder's Guide to Contracting*. New York: McGraw-Hill, 1975.

Institute for Research. *Career Opportunities in Construction Contracting*. Chicago, 1993.

Breslin, Mark. *Survival of the Fittest*. 1st. San Ramon, Ca. International Press, 2009.

Resources Other

1. Lepadatu, Darina. and Thompson, Timothy. "*The US Labor Unions and their (Non)Response to Workplace Diversity*" Paper presented at the annual meeting of the American Sociological Association, Marriott Hotel, Loews Philadelphia Hotel, Philadelphia, PA, Aug 12, 2005. http://citation.allacademic.com/meta/p_mla_apa_research_citation/0/2/2/8/6/p22860_index.html (http://citation.allacademic.com/meta/p_mla_apa_research_citation/0/2/2/8/6/p22860_)
2. **Sonn, Jaesok.** "*Civic Life and Labor: The Analysis of the Civic Engagement and the Labor Movement*" Paper presented at the annual meeting of the American Sociological Association Annual Meeting, Hilton San Francisco, San Francisco, CA, Aug 07, 2009.

http://citation.allacademic.com/meta/p_mla_apa_research_citation/3/0/9/4/4/p309443_index.html?phpsessid (http://citation.allacademic.com/meta/p_mla_apa_research_citation/3/0/9/4/4/p309443_?phpsessid)...

3. Sullivan, Richard. "Organizing Workers in the Space Between Unions." *Critical Sociology*. Nov 2010, Vol 36. <http://crs.sagepub.com/content/36/6/793.short> (<http://crs.sagepub.com/content/36/6/793.short/>)
4. "American Society of Civil Engineers Avoiding and Resolving Disputes During Construction: Successful Practices and Guidelines", prepared by the Technical committee on Contracting Practices of the Underground Technology Research Council: sponsored by and the American Institute of Mining, Metallurgical, and Petroleum Engineers, New York ASCE, 1991.

Top of page

Key: 56