

ONLINE COURSE

Introduction to Construction Estimating

Allows self-paced, online e-learning, accessible 24/7 on desktop, tablet, and mobile devices.

For people working in estimating or for any individual who wants to become an estimator.

Gain the knowledge and skills required to visualize the scope and magnitude of a construction project and produce accurate and reliable estimates.

Course work includes reviewing drawings through various phases of a project with the aim of determining the quantity and type of materials required for the project.

- ✓ Have a good understanding of estimating practices.
- ✓ Know site-specific conditions and regulatory requirements.
- ✓ Know how to handle purchasing and logistics, and how to manage materials on site.
- ✓ Organize cost data in a clear and logical manner.
- ✓ Be able to manage historical information related to costs and know how and when to update this information.
- ✓ Know how to assemble bids and meet bid closure deadlines.
- ✓ Provide on-site solutions to work-related problems in relation to equipment and material placement.

This course uses interactive elements, scenarios, videos, and quizzes to reinforce learning.

PRICE



\$750

COURSE DURATION



Approx. 4 hours

AVAILABLE LANGUAGES

EN | FR

SUPPORTED BROWSERS



SUPPORTED OPERATING SYSTEMS



2 credits

Mechanical Contractors Association Estimating

**John Cibinic, Jr., Ralph C. Nash, James F.
Nagle**

Mechanical Contractors Association Estimating:

Labor Estimating Manual Mechanical Contractors Association of America, 1988 **Calculating Construction Damages** William Schwartzkopf, John J. McNamara, 2000-01-01 Calculating construction damages can be complex and confusing Written by recognized experts in the area of construction claims Aspen Publishers and Calculating Construction Damages is a one of a kind resource providing step by step guidelines for valuing a claim and calculating damages Calculating Construction Damages keeps you completely up to date with the changes in the construction industry and provides new and updated coverage on Reductions in scope through deductive changes The meaning and explanation of acceleration The use of the actual cost method and the total cost method to calculate damages The effectiveness of expanding on productivity analysis The definition of home office overhead costs and the use of the Eichleay formula The most recent assessment of attorneys' fees on Miller Act claims Only Aspen Publishers and Calculating Construction Damages leads you through every step you need to take in order to reach an accurate assessment of construction damages Complete coverage includes General Principles of Damage Calculation Labor Costs Equipment and Small Tool Costs Additional Equipment Costs Material Costs Bond and Insurance Costs Home Office Overhead Calculating Construction Damages is organized by type of damage rather than type of claim Its clear mathematical techniques will enable you to value any claim and accurately calculate damages **Delay and Disruption in Construction Contracts** Andrew Burr, 2024-10-31 Now in its sixth edition Delay and Disruption in Construction Contracts retains its position as a foremost guide to the complex issues arising in the course of construction contracts with robustly updated content throughout and the addition of several new chapters with a focus upon such topics as standard form provisions for the recovery of loss or expense and Chinese and Peruvian construction law amongst others Expertly covering the manner in which delay and disruption should be considered at each stage of a construction project from inception to completion and beyond this book includes Insight from an international team of specialist advisory editors Comparative analysis of the law in this field in Australia Canada England and Wales Hong Kong Ireland New Zealand the United States and in civil law jurisdictions Commentary upon and comparison of standard forms from Australia Ireland New Zealand the United Kingdom USA and elsewhere including several new forms Chapters on adjudication dispute boards and the civil law dynamic Extensive coverage of Building Information Modelling New chapters on Chinese Nordic Peruvian Singaporean and Malaysian construction law New in depth discussion of the JCT 2016 suite Updated case law linked directly to the principles explained in the text This book is an essential reference for any lawyer dispute resolver project manager architect engineer contractor or academic involved in the construction industry ***Administration of Government Contracts*** John Cibinic, Jr., Ralph C. Nash, James F. Nagle, 2006-01-01 This unbiased analysis of statutes regulations and case law clarifies the complex rules of federal procurement policies explaining the processes that government personnel and contractors must follow in every aspect of government contracting and from

inception to completion Topics include contract administration and personnel contract interpretation risk allocation changes delays pricing of adjustments and much more Construction Disputes Robert F. Cushman, John D. Carter, Douglas F. Coppi, Paul J. Gorman, 2001-01-01 In compiling the third and entirely revised edition of Construction Disputes Representing the Contractor the editors have sought out as specialists in their field contributing authors who are not only experienced in resolving construction disputes but also known and respected for their expertise in specific critical areas commonly encountered in construction litigation Although intended primarily to assist attorneys this book also provides a useful desk reference for anyone whose activities touch on long term contract matters and gives individual contractors a better understanding of how their actions may affect this increasingly important part of operations **Applying Earned Value Management to Design-Bid-Build Projects to Assess Productivity Disruption** Stephen P. Warhoe, 2013 One of the most important jobs of a project manager is to manage a project's budget and schedule These tasks can easily be very difficult to accomplish on projects that are complex especially since successful project execution relies heavily on people who are expected to perform their roles individually and as a team One of the most difficult aspects of managing projects is estimating how fast and effectively humans will perform a task that is determining how productive workers collectively will be each day each week or within any time period during the life of a project Because projects are unique and are typically one off endeavors there is usually little previous empirical data to rely upon for the project manager to forecast productivity before or during the project's execution The crux of the problem lies with adequately identifying not only the labor work flow process but also the influences that affect the work flow process When scope changes are introduced into the work flow of a project the types and number of influences and their cause and effect relationships can significantly increase in numbers This phenomenon often turns complicated projects into extremely complex ones and the final outcome can be greater than the sum of the individual inputs For project managers who are unable to get their arms around this very real situation forecasting the outcome of a project often becomes out of control especially for projects that are large and heavily labor intensive This study takes a post positivist approach to design and builds a system dynamic model with which construction projects that are delivered using the design bid build methodology can be simulated to show generically how the influences that affect construction projects can affect worker productivity No other studies are known to exist that design or build such a model for construction projects that use the design bid build delivery method The model that was designed in the study is based on the works of several academics works as well as the input of several experts in the construction field including this study's author As opposed to attempting to create a simulation model based on the uniqueness of a single project a mosaic approach was used in creating the model in that elements of the model were identified and taken from studies found through the literature review as well as interviews with construction industry experts The stock and flow structure of the study's model is intended to be a composite of many construction projects and can be used for any project delivered using the design

bid build methodology From the research the model was created and tested using good modeling practice in that the model testing phase followed the process created by one of the pre eminent system dynamic modelers in the world refer to Sterman 2000 The result is a model that simulates the work flow of labor hours in a design bid build construction project which can be affected by an immeasurable number of influences that can and do occur on construction projects **Cost Engineering**

,2005 **Handbook for Construction Planning and Scheduling** Andrew Baldwin,David Bordoli,2014-06-23 The authoritative industry guide on good practice for planning and scheduling in construction This handbook acts as a guide to good practice a text to accompany learning and a reference document for those needing information on background best practice and methods for practical application A Handbook for Construction Planning Planning and Scheduling Techniques and Practices Planning and Scheduling Methods Delay and Forensic Analysis The authors include both basic concepts and updates on current topics demanding close attention from the construction industry including planning for sustainability waste health and safety and Building Information Modelling BIM The book is especially useful for early career practitioners engineers quantity surveyors construction managers project managers who may already have a basic grounding in civil engineering building and general construction but lack extensive planning and scheduling experience Students will find the website helpful with worked examples of the methods and calculations for typical construction projects plus other directed learning material This authoritative industry guide on good practice for planning and scheduling in construction is written in a direct informative style with a clear presentation enabling easy access of the relevant information with a companion website providing additional resources and learning support material the authoritative industry guide on construction planning and scheduling direct informative writing style and clear presentation enables easy access of the relevant information companion website provides additional learning material *Proving and Pricing Construction Claims* Robert F. Cushman,John D. Carter,Douglas F. Coppi,Paul J. Gorman,2000-12-01 The most useful definitive resource available on every aspect of construction claims including how to present the claims how to calculate and prove the amount of damages sustained and how to prove liability It even covers the clauses that should be in every construction contract You ll get comprehensive coverage of all the important issues delay claims differing site conditions claims claims for lost profit international claims and much more Includes a variety of winning strategies practice tips and helpful checklists to minimize damages and maximize collectability **Construction Project Management** Joe F. McCarthy,2010 integrates business knowledge principles and practices of project management and construction management will help you achieve a strategic vision continuously improve construction operations and manage industrial commercial and institutional projects from conception to occupancy Publisher s description

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