

Law and Business

Course Materials

Each student enrolled in the Law and Business course should be issued:

- Law and Business Manual
- Audio/Video Lectures:
 - Chapter 1: License Law
 - Chapter 2: Mechanics' Lien
 - Chapter 3: Labor Code
 - Chapter 4: Business Management
 - Law and Business Review Questions
- Law and Business Practice Exams:
 - Law Test 1
 - Law Test 2
 - Law Test 3
 - Law Test 4
 - Law Test 5
 - Law Update
- Law and Business Computer-Assisted Practice Tests

General Information

The Law and Business Manual is conveniently broken into four separate chapters, each with its own *Glossary of Terms*. The manual is written in layperson's language and includes sample forms as well as summaries and checklists to help students prepare for the State Exam. There are no complicated legal codes to decipher.

The Law and Business Lectures cover each chapter of the Law and Business Manual and the Law and Business Review questions in the back of the manual. All of the lectures are available in both audio and video formats.

Please be sure that your students study **all** of the practice exams and the update. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the legal and business *principles* behind each question because the State's questions may be worded differently.

The Law and Business Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

Law and Business Spanish Supplement

Course Materials

Each student who purchases the Law and Business Spanish Supplement should be issued:

- Law and Business Spanish Supplement
- Students should also be issued the English-version Law and Business Course:
 - Law and Business Manual
 - Audio/Video Lectures
 - Law and Business Practice Exams
 - Law and Business Computer-Assisted Practice Tests

(Please see the Course Summary for the Law and Business Course for more information.)

General Information

The Law and Business Spanish Supplement is a Spanish language study aid designed to help students whose primary language is Spanish study for the Law and Business Exam. It is not a stand-alone course and does not cover all of the information or include all of the practice exam and update questions that are presented in the Law and Business course.

The Law and Business Spanish Supplement is a summary of the most important information in the Law and Business Manual presented in Spanish. Each of the four separate chapters of the Law and Business Spanish Supplement correspond to a chapter in the Law and Business Manual and includes a selection of the most complicated practice questions translated to Spanish with detailed explanations. The Law and Business Spanish Supplement also includes a glossary of legal terms.

Please be sure that your students also study the Law and Business Manual, practice exams and update. It is important to read and understand each question, and read every word of the explanations.

A: General Engineering

Course Materials

Each student enrolled in the General Engineering course should be issued:

- General Engineering (“A”) Manual
- Audio/Video Lectures:
 - Math Review
 - General Engineering (Parts 1 & 2)
 - Health and Safety
 - General Engineering Review Questions
- General Engineering Practice Exams:
 - A Test 1
 - A Test 2
 - A Test 3
 - A Test 4
 - A Test 5
 - A Update
- General Engineering Contractor’s Computer-Assisted Practice Tests

The *Excavation & Grading Handbook, Revised*, by Nicholas Capachi and the accompanying Excavation & Grading audio/video lectures are OPTIONAL but they are recommended for students with little or no E & G experience.

General Information

The General Engineering Manual briefly covers the major topics of the State exam including Concrete, Rough and Finish Carpentry, Masonry, Electrical, HVAC, and Excavation, Grading, and Paving. The manual also contains summaries from the California Building Code and National Electrical Code. The last section of the General Engineering Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the General Engineering manual. The General Engineering lecture covers the topics addressed in the manual specific to the General Engineering trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the General Engineering manual. The General Engineering Review Questions Lecture covers the General Engineering Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The General Engineering Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

Excavation & Grading Handbook, Revised, by Nicholas Capachi is OPTIONAL, but highly recommended for students who have little or no E & G experience.

B: General Building

Course Materials

Each student enrolled in the General Building course should be issued:

- General Building (“B”) Manual
- Audio/Video Lectures:
 - Math Review
 - General Building (B) Part 1
 - General Building (B) Part 2
 - Health and Safety
 - General Building Review Questions
- General Building Practice Exams:
 - B Test 1
 - B Test 2
 - B Test 3
 - B Test 4
 - B Test 5
 - B Update
- General Building Contractor’s Computer-Assisted Practice Tests

General Information

The General Building Manual briefly covers the major topics of the State exam including Concrete, Carpentry and Roofing, Masonry, Electrical, Plumbing, and HVAC. The manual also contains summaries from the Uniform Building Code, National Electrical Code, Uniform Plumbing Code, and Uniform Mechanical Code. The last section of the General Building Manual covers the Health and Safety Orders.

The Math Review Lecture explains the math formulas in the first part of the General Building manual. The General Building Lectures discuss the general knowledge portions of the manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the manual. The General Building Review Questions Lecture covers the General Building Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The General Building Contractors Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer. The questions on the computer disk do not include the B Update questions.

C-2: Insulation and Acoustical

Course Materials

Each student enrolled in the Insulation and Acoustical course should be issued:

- Insulation and Acoustical (“C-2”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Insulation and Acoustical Practice Exams:
 - C-2 Test 1
 - C-2 Test 2
 - C-2 Update
 - Health and Safety
- C-2 Insulation and Acoustical Contractor’s Computer-Assisted Practice Tests

General Information

The Insulation and Acoustical Manual briefly covers the major topics of the State exam including Insulation Principles, Insulating Materials, Energy Conservation Standards, and Acoustics. The last section of the Insulation and Acoustical Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Insulation and Acoustical manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Insulation and Acoustical manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-2 Insulation and Acoustical Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-4: Boiler, Hot-Water Heating, and Steam Fitting

Course Materials

Each student enrolled in the Boiler, Hot-Water Heating, and Steam Fitting course should be issued:

- Boiler, Hot-Water Heating, and Steam Fitting (“C-4”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Boiler, Hot-Water Heating, and Steam Fitting Practice Exams:
 - C-4 Test 1
 - C-4 Test 2
 - C-4 Test 3
 - C-4 Update
- C-4 Boiler, Hot-Water Heating, and Steam Fitting Contractor’s Computer-Assisted Practice Tests

General Information

The Boiler, Hot-Water Heating, and Steam Fitting Manual briefly covers the major topics of the State exam including Boilers, Piping Systems, Linear Expansion, Safety Valves, and Welding. The last section of the Boiler, Hot-Water Heating, and Steam Fitting Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Boiler, Hot-Water Heating, and Steam Fitting manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Boiler, Hot-Water Heating, and Steam Fitting manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-4 Boiler, Hot-Water Heating, and Steam Fitting Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-5: Framing and Rough Carpentry

Course Materials

Each student enrolled in the Framing and Rough Carpentry course should be issued:

- Framing and Rough Carpentry (“C-5”) Manual
- Audio/Video Lectures:
 - Math Review
 - Framing and Rough Carpentry (C-5)
 - Health and Safety
 - Framing and Rough Carpentry Review Questions
- Framing and Rough Carpentry Practice Exams:
 - C-5 Test 1
 - C-5 Test 2
 - C-5 Update
- C-5 Framing and Rough Carpentry Contractor’s Computer-Assisted Practice Tests

General Information

The Framing and Rough Carpentry Manual briefly covers the major topics of the State exam including Materials and Hardware, Accessibility, Wood and Metal Framing, Wood Shear Walls, Trusses, Roofing, Formwork, and Fences. The manual also includes brief summaries from the California Building Code. The Framing and Rough Carpentry Manual also includes the Health and Safety Orders and Framing and Rough Carpentry Review Questions.

The Math Review Lecture covers the math formulas in the first part of the Framing and Rough Carpentry manual. The Framing and Rough Carpentry General Knowledge lecture covers the topics addressed in the manual specific to the C-5 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Framing and Rough Carpentry manual. The Framing and Rough Carpentry Review Questions lecture covers the Framing and Rough Carpentry Review Questions in the back of the manual

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-5 Framing and Rough Carpentry Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-6: Cabinet and Millwork

Course Materials

Each student enrolled in the Cabinet and Millwork course should be issued:

- Cabinet and Millwork (“C-6”) Manual
- Audio/Video Lectures:
 - Math Review
 - Cabinet and Millwork (C-6)
 - Health and Safety
- Cabinet and Millwork Practice Exams:
 - C-6 Test 1
 - C-6 Test 2
 - C-6 Test 3
 - C-6 Test 4
 - C-6 Test 5
 - C-6 Update
- C-6 Cabinet and Millwork Contractor’s Computer-Assisted Practice Tests

General Information

The Cabinet and Millwork Manual briefly covers the major topics of the State exam including Veneer, Abrasives, Adhesives, Wood Joints, and Doors. The manual also includes brief summaries of some of the Woodworking Institute of California’s Standards as well as a Glossary. The last section of the Cabinet and Millwork Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Cabinet and Millwork manual. The Cabinet and Millwork lecture covers the topics addressed in the manual specific to the C-6 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Cabinet and Millwork manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-6 Cabinet and Millwork Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-7: Low Voltage

Course Materials

Each student enrolled in the Low Voltage course should be issued:

- Low Voltage (“C-7”) Manual
- Audio/Video Lectures:
 - Math Review
 - Low Voltage (C-7) Part 1
 - Low Voltage (C-7) Part 2
 - Health and Safety
- Low Voltage Practice Exams:
 - C-7 Test 1
 - C-7 Test 2
 - C-7 Test 3
 - C-7 Test 4
 - C-7 Update
- C-7 Low Voltage Contractor’s Computer-Assisted Practice Tests.

General Information

The Low Voltage Manual briefly covers the major topics of the State exam including Basic Electrical Theory, Plan and Circuit Symbols, Electrical Materials, Low Voltage Relay Circuit, Satellite Antenna Systems, First Aid, and Computer Networking and Optic Fiber. The manual also includes brief summaries from the National Electrical Code and NFPA 74. The last section of the Low Voltage Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Low Voltage manual. The Low Voltage Part 1 and Part 2 lectures cover the topics addressed in the manual specific to the C-7 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Low Voltage manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-7 Low Voltage Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-8: Concrete

Course Materials

Each student enrolled in the Concrete course should be issued:

- Concrete (“C-8”) Manual
- Audio/Video Lectures:
 - Math Review
 - Concrete (C-8)
 - Health and Safety
 - Concrete Review Questions
- Concrete Practice Exams:
 - C-8 Test 1
 - C-8 Test 2
 - C-8 Update
 - Health and Safety
- C-8 Concrete Contractor’s Computer-Assisted Practice Tests

General Information

The Concrete Manual briefly covers the major topics of the State exam including Concrete, Classification of Mixes, Admixtures, Reinforcement, Formwork, Placing Concrete, Finishing, Curing, Repairs, Accessibility, and Architectural Scale. The Concrete Manual also includes the Health and Safety Orders and Concrete Review Questions.

The Math Review Lecture covers the math formulas in the first part of the Concrete manual. The Concrete General Knowledge lecture covers the topics addressed in the manual specific to the C-8 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Concrete manual. The Concrete Review Questions lecture covers the Concrete Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-8 Concrete Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-9: Drywall

Course Materials

Each student enrolled in the Drywall course should be issued:

- Drywall (“C-9”) Manual
- Audio/Video Lectures:
 - Math Review
 - Drywall (C-9)
 - Health and Safety
 - Drywall Review Questions
- Drywall Practice Exams:
 - C-9 Test 1
 - C-9 Test 2
 - C-9 Test 3
 - C-9 Update
- C-9 Drywall Contractor’s Computer-Assisted Practice Tests

General Information

The Drywall Manual briefly covers the major topics of the State exam including Tools and Materials, Job Preparation, Attaching Drywall to Wood or Metal Framing, Semisolid and Solid Partitions, Metal Door Framing, Joint and Surface Treatments, Repairs in Drywall, Fire Resistance, Sound Control, and a glossary of terms. The Drywall Manual also includes the Health and Safety Orders and Drywall Review Questions.

The Math Review Lecture covers the math formulas in the first part of the Drywall manual. The Drywall lecture covers the topics addressed in the manual specific to the C-9 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Drywall manual. The Drywall Review Questions lecture covers the Drywall Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-9 Drywall Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-10: Electrical

Course Materials

Each student enrolled in the Electrical course should be issued:

- Electrical (“C-10”) Manual
- Audio/Video Lectures:
 - Math Review
 - Electrical (C-10)
 - Electrical Review Questions
 - Health and Safety
- Electrical Practice Exams:
 - C-10 Test 1
 - C-10 Test 2
 - C-10 Test 3
 - C-10 Test 4
 - C-10 Update
- C-10 Electrical Contractor’s Computer-Assisted Practice Tests

General Information

The Electrical Manual briefly covers the major topics of the State exam including Basic Electrical Theory, Electrical Materials, Electrical Tools, Equipment, and Meters, and Plan and Circuit Symbols. The manual also includes summaries from the National Electrical Code and Review Questions. The last section of the Electrical Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Electrical manual. The Electrical (C-10) lecture cover the topics addressed in the manual specific to the C-10 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Electrical manual. The Electrical Review Questions Lecture covers the Electrical Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-10 Electrical Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-11: Elevator

Course Materials

Each student enrolled in the Elevator course should be issued:

- Elevator (“C-11”) Manual
- Audio/Video Lectures:
 - Business Math and Architectural Scale
- Elevator Practice Exams:
 - C-11 Test 1
 - C-11 Test 2
 - C-11 Update
- C-11 Elevator Contractor’s Computer-Assisted Practice Tests

General Information

The Elevator Manual briefly covers the major topics of the State exam including Business Mathematics and Architectural Scale, Construction Safety Orders, and Elevator Safety Orders. The manual also includes summaries from the National Electrical Code and a Glossary.

The Business Math and Architectural Scale lecture covers the first part of the Elevator manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-11 Elevator Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-12: Earthwork and Paving

Course Materials

Each student enrolled in the Earthwork and Paving course should be issued:

- Earthwork and Paving (“C-12”) Manual
- *Excavation & Grading Handbook, Revised*, by Nicholas Capachi
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
 - Excavation & Grading
- Earthwork and Paving Practice Exams:
 - C-12 Test 1
 - C-12 Test 2
 - C-12 Update
- C-12 Earthwork and Paving Contractor’s Computer-Assisted Practice Tests

General Information

Excavation & Grading Handbook, Revised, by Nicholas Capachi is an essential part of the Earthwork and Paving course. The *Handbook* and the accompanying Excavation and Grading lecture contain vital information for passing the State exam.

The Earthwork and Paving Manual briefly covers the major topics of the State exam including Estimating Quantities and summaries of CALTRANS Standard Specifications. The last section of the Earthwork and Paving Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Earthwork and Paving manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Earthwork and Paving manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-12 Earthwork and Paving Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-13: Fencing

Course Materials

Each student enrolled in the Fencing course should be issued:

- Fencing (“C-13”) Manual
- Audio/Video Lectures:
 - Math Review
 - Fencing (C-13)
 - Fencing Review Questions
 - Health and Safety
- Fencing Practice Exams:
 - C-13 Test 1
 - C-13 Test 2
 - C-13 Update
- C-13 Fencing Contractor’s Computer-Assisted Practice Tests

General Information

The Fencing Manual briefly covers the major topics of the State exam including Post Installation, Wire Fences, Wood Fences, and Specialty Fencing. The Fencing Manual also contains the Health and Safety Orders and Fencing Review Questions.

The Math Review Lecture explains the math formulas in the first part of the Fencing Manual. The Fencing lecture covers the topics addressed in the manual specific to the C-13 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Fencing Manual. The Fencing Review Questions Lecture covers the Fencing Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-13 Fencing Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-15: Flooring and Floor Covering

Course Materials

Each student enrolled in the Flooring and Floor Covering course should be issued:

- Flooring and Floor Covering (“C-15”) Manual
- Audio/Video Lectures:
 - Math Review
 - Flooring and Floor Covering (C-15)
 - Health and Safety
 - Flooring and Floor Covering Review Questions
- Flooring and Floor Covering Practice Exams:
 - C-15 Test 1
 - C-15 Test 2
 - C-15 Test 3
 - C-15 Update
- C-15 Flooring and Floor Covering Contractor’s Computer-Assisted Practice Tests

General Information

The Flooring and Floor Covering Manual briefly covers the major topics of the State exam including Plans and Estimating, Jobsite Preparation, Carpet, Resilient Coverings, Laminate Floors, and Hardwood Floors. The Flooring and Floor Covering Manual also contains the Health and Safety Orders and Flooring and Floor Covering Review Questions.

The Math Review Lecture explains the math formulas in the first part of the Flooring and Floor Covering Manual. The Flooring and Floor Covering lecture covers the topics addressed in the manual specific to the C-15 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Flooring and Floor Covering manual. The Flooring and Floor Covering Review Questions Lecture covers the Flooring and Floor Covering Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-15 Flooring and Floor Covering Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-16: Fire Protection

Course Materials

Each student enrolled in the Fire Protection course should be issued:

- Fire Protection (“C-16”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Fire Protection Practice Exams:
 - C-16 Test 1
 - C-16 Test 2
 - C-16 Test 3
 - C-16 Test 4
 - C-16 Update
- C-16 Fire Protection Contractor’s Computer-Assisted Practice Tests

General Information

The Fire Protection Manual briefly covers the major topics of the State exam including Plan Symbols, Types of Sprinkler Systems, Hydraulics, and summaries from NFPA 13, NFPA 14, and NFPA 24. The last section of the Fire Protection Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Fire Protection manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Fire Protection manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-16 Fire Protection Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-17: Glazing

Course Materials

Each student enrolled in the Glazing course should be issued:

- Glazing (“C-17”) Manual
- Audio/Video Lectures:
 - Math Review
 - Glazing (C-17)
 - Health and Safety
- Glazing Practice Exams:
 - C-17 Test 1
 - C-17 Test 2
 - C-17 Test 3
 - C-17 Update
- C-17 Glazing Contractor’s Computer-Assisted Practice Tests

General Information

The Glazing Manual briefly covers the major topics of the State exam including Glass and Glazing Products, Glazing Sealants, Glazing Tools, Glazing Guidelines, Fasteners, and Glazing Systems. The Glazing Manual also contains summaries of the Uniform Building Code. The last section of the Glazing Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Glazing manual. The Glazing lecture covers the topics addressed in the manual specific to the C-17 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Glazing manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-17 Glazing Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-20: Warm-Air Heating, Ventilation, and Air-Conditioning

Course Materials

Each student enrolled in the HVAC course should be issued:

- HVAC (“C-20”) Manual
- Audio/Video Lectures:
 - Math Review
 - HVAC (C-20)
 - HVAC Review Questions
 - Health and Safety
- HVAC Practice Exams:
 - C-20 Test 1
 - C-20 Test 2
 - C-20 Test 3
 - C-20 Update
- C-20 HVAC Contractor’s Computer-Assisted Practice Tests

General Information

The HVAC Manual briefly covers the major topics of the State exam including Properties of Air and Water, Psychrometric Charts, Basic HVAC Formulas, Basic Electrical Formulas, Electrical and Insulating Materials, Soldering and Brazing, Electric Motors, Fuels and Refrigerants, Mechanical Refrigeration, Solar Energy, and Plan and Circuit Symbols. The manual also contains summaries of the Uniform Mechanical Code. The last section of the HVAC Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the HVAC manual. The HVAC (C-20) lecture cover the topics addressed in the manual specific to the C-20 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the HVAC manual. The HVAC Review Questions Lecture covers the HVAC Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-20 HVAC Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-21: Building Moving and Demolition

Course Materials

Each student enrolled in the Building Moving and Demolition course should be issued:

- Building Moving and Demolition (“C-21”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Building Moving and Demolition Practice Exams:
 - C-21 Test 1
 - C-21 Test 2
 - C-21 Update
 - Health and Safety
- C-21 Building Moving and Demolition Contractor’s Computer-Assisted Practice Tests

General Information

The Building Moving and Demolition Manual briefly covers the major topics of the State exam including Concrete, House Moving, Case Studies in House Moving, Cranes and Derricks, and Demolition. The manual also contains summaries of the Uniform Building Code. The last section of the Building Moving and Demolition Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Building Moving and Demolition manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Building Moving and Demolition manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-21 Building Moving and Demolition Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-23: Ornamental Metal

Course Materials

Each student enrolled in the Ornamental Metal course should be issued:

- Ornamental Metal (“C-23”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Ornamental Metal Practice Exams:
 - C-23 Test 1
 - C-23 Update
 - Health and Safety
- C-23 Ornamental Metal Contractor’s Computer-Assisted Practice Tests

General Information

The Ornamental Metal Manual briefly covers the major topics of the State exam including Hardware, Equipment, Welding, and Estimating. The manual also contains summaries of the Uniform Building Code. The last section of the Ornamental Metal Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Ornamental Metal manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Ornamental Metal manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-23 Ornamental Metal Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-27: Landscaping

Course Materials

Each student enrolled in the Landscaping course should be issued:

- Landscaping (“C-27”) Manual
- Audio/Video Lectures:
 - Landscaping (C-27) Part 1
 - Landscaping (C-27) Part 2
 - Health and Safety
- Landscaping Practice Exams:
 - C-27 Test 1
 - C-27 Test 2
 - C-27 Test 3
 - C-27 Test 4
 - C-27 Test 5
 - C-27 Update
- C-27 Landscaping Contractor’s Computer-Assisted Practice Tests

General Information

The Landscaping Manual briefly covers the major topics of the State exam including Plant Classification, Ornamental Plants, Plant Diseases, Fertilizer, Sprinkler Systems, Backflow Prevention, Plastic Pipe, Carpentry, Concrete, Electricity, and Leveling. The last section of the Landscaping Manual covers the Health and Safety Orders.

The Landscaping Part 1 and Part 2 Lectures follow along with the topics addressed in the manual and include a section on Math. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Landscaping manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-27 Landscaping Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-28: Lock and Security

Course Materials

Each student enrolled in the Lock and Security Equipment course should be issued:

- Lock and Security (“C-28”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Lock and Security Practice Exams:
 - C-28 Test 1
 - C-28 Test 2
 - C-28 Update
- C-28 Lock and Security Contractor’s Computer-Assisted Practice Tests

General Information

The Lock and Security Manual briefly covers the major topics of the State exam including California State Accessibility Standards, Fire Doors and Windows, Garage Door Openers, Fundamentals of Master Keying, Doors, Safes, Plan and Circuit Symbols, and Basic Electrical Theory. The last section of the Lock and Security Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Lock and Security manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Lock and Security manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-28 Lock and Security Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-29: Masonry

Course Materials

Each student enrolled in the Masonry course should be issued:

- Masonry ("C-29") Manual
- Audio/Video Lectures:
 - Math Review
 - Masonry (C-29) Part 1
 - Masonry (C-29) Part 2
 - Health and Safety
- Masonry Practice Exams:
 - C-29 Test 1
 - C-29 Test 2
 - C-29 Test 3
 - C-29 Test 4
 - C-29 Test 5
 - C-29 Update
 - Health and Safety
- C-29 Masonry Contractor's Computer-Assisted Practice Tests

General Information

The Masonry Manual briefly covers the major topics of the State exam including Masonry Unit Components, Masonry Types and Sizes, Mortar Ingredients and Types, Estimating, Reinforcing Steel, and Arches. The manual also includes summaries of the Uniform Building Code. The last section of the Masonry Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Masonry manual. The Masonry Part 1 and Part 2 lectures cover the topics addressed in the manual specific to the C-29 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Masonry manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The C-29 Masonry Contractor's Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-31: Construction Zone Traffic Control

Course Materials

Each student enrolled in the Construction Zone Traffic Control course should be issued:

- Construction Zone Traffic Control (“C-31”) Manual
- Audio/Video Lectures:
Math Review
- Construction Zone Traffic Control Practice Exams:
C-31 Test 1
C-31 Update
- C-31 Construction Zone Traffic Control Contractor’s Computer-Assisted Practice Tests

General Information

The Construction Zone Traffic Control Manual briefly covers the major topics of the State exam including Temporary Traffic Control Elements, Channelizers and Barricades, Sign Installation, Portable Changeable Message Signs, Flashing Arrow Signs, Pavement Markings, Crash Cushions, and Flagging. The manual also includes a summary of English vs. Metric Units.

The Math Review Lecture covers the math formulas in the first part of the Construction Zone Traffic Control manual.

Very few students have taken the C-31 exam, so there has been very little feedback on this course. While there is currently only one practice exam, it is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-31 Construction Zone Traffic Control Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-32: Parking and Highway Improvement

Course Materials

Each student enrolled in the Parking and Highway Improvement course should be issued:

- Parking and Highway Improvement (“C-32”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Parking and Highway Improvement Practice Exams:
 - C-32 Test 1
 - C-32 Test 2
 - C-32 Update
 - Health and Safety
- C-32 Parking and Highway Improvement Contractor’s Computer-Assisted Practice Tests

General Information

The Parking and Highway Improvement Manual briefly covers the major topics of the State exam including Traffic Control, Asphalt, Pavement Structure and Repair, Pavement Markers, Traffic Stripes and Pavement Markings, Airport Markings, Parking Area Design, and Accessible Parking. The Parking and Highway Improvement Manual also contains the Health and Safety Orders and Parking and Highway Improvement Review Questions.

The Math Review Lecture explains the math formulas in the first part of the Parking and Highway Improvement Manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Parking and Highway Improvement manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-32 Parking and Highway Improvement Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-33: Painting and Decorating

Course Materials

Each student enrolled in the Painting and Decorating course should be issued:

- Painting and Decorating (“C-33”) Manual
- Audio/Video Lectures:
 - Math Review
 - Painting and Decorating (C-33)
 - Health and Safety
 - Painting and Decorating Review Questions
- Painting and Decorating Practice Exams:
 - C-33 Test 1
 - C-33 Test 2
 - C-33 Test 3
 - C-33 Test 4
 - C-33 Update
 - Health and Safety
- C-33 Painting and Decorating Contractor’s Computer-Assisted Practice Tests

General Information

The Painting and Decorating Manual briefly covers the major topics of the State exam including Tools and Equipment, Spray Painting, Colors, Preparation and Application, Troubleshooting, Wallcovering, and Drywall. The manual also contains summaries of the Uniform Building Code. The Painting and Decorating Manual also contains the Health and Safety Orders and Painting and Decorating Review Questions.

The Math Review Lecture covers the math formulas in the first part of the Painting and Decorating manual. The Painting and Decorating lecture covers the topics addressed in the manual specific to the C-33 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Painting and Decorating manual. The Painting and Decorating Review Questions Lecture covers the Painting and Decorating Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-33 Painting and Decorating Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-34: Pipeline

Course Materials

Each student enrolled in the Pipeline course should be issued:

- Pipeline (“C-34”) Manual
- *Excavation & Grading Handbook, Revised*, by Nicholas Capachi
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
 - Excavation and Grading
- Pipeline Practice Exams:
 - C-34 Test 1
 - C-34 Update
- C-34 Pipeline Contractor’s Computer-Assisted Practice Tests

General Information

Excavation & Grading Handbook, Revised, by Nicholas Capachi is an essential part of the Pipeline course. The *Handbook* and the accompanying Excavation and Grading lecture contain vital information for passing the State exam.

The Pipeline Manual briefly covers the major topics of the State exam including summaries of the Uniform Plumbing Code and Excerpts from Caltrans Standard Specifications. The last section of the Pipeline Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Pipeline manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Pipeline manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-34 Pipeline Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-35: Lathing and Plastering

Course Materials

Each student enrolled in the Lathing and Plastering course should be issued:

- Plastering (“C-35”) Manual
- Audio/Video Lectures:
 - Math Review
 - Plastering (C-35)
 - Health and Safety
- Lathing and Plastering Practice Exams:
 - C-35 Test 1
 - C-35 Test 2
 - C-35 Test 3
 - C-35 Update
- C-35 Lathing and Plastering Contractor’s Computer-Assisted Practice Tests

General Information

The Plastering Manual briefly covers the major topics of the State exam including Plaster Materials, Mixing Plaster, Applying Plaster, and Estimating Plastering Materials. The manual also contains summaries of the Uniform Building Code and a Lathing Supplement. The last section of the Plastering Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Plastering manual. The Plastering lecture covers the topics addressed in the manual specific to the C-35 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Plastering manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-35 Lathing and Plastering Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-36: Plumbing

Course Materials

Each student enrolled in the Plumbing course should be issued:

- Plumbing (“C-36”) Manual
- Audio/Video Lectures:
 - Math Review
 - Plumbing (C-36)
 - Health and Safety
 - Plumbing Review Questions
- Plumbing Practice Exams:
 - C-36 Test 1
 - C-36 Test 2
 - C-36 Test 3
 - C-36 Test 4
 - C-36 Update
- C-36 Plumbing Contractor’s Computer-Assisted Practice Tests

General Information

The Plumbing Manual briefly covers the major topics of the State exam including Tools and Materials, Soldering and Brazing, Oxyacetylene Welding, Drainage, Vents and Traps, Water Heaters, Storm Drainage, Medical Gas and Vacuum Systems, and Private Sewage Disposal Systems. The manual also contains summaries of the California Plumbing Code and Accessibility Requirements. The Plumbing Manual also contains the Health and Safety Orders and Plumbing Review Questions.

The Math Review Lecture covers the math formulas in the first part of the Plumbing manual. The C-36: Plumbing General Knowledge lecture covers the topics addressed in the manual specific to the C-36 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Plumbing manual. The Plumbing Review Questions Lecture covers the Plumbing Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-36 Plumbing Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-38: Refrigeration

Course Materials

Each student enrolled in the Refrigeration course should be issued:

- Refrigeration (“C-38”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Refrigeration Practice Exams:
 - C-38 Test 1
 - C-38 Test 2
 - C-38 Update
 - Health and Safety
- C-38 Refrigeration Contractor’s Computer-Assisted Practice Tests

General Information

The Refrigeration Manual briefly covers the major topics of the State exam including Basic Electrical Formulas, Electrical materials, Insulating Materials, Refrigerants, Refrigeration Materials and Tools, Mechanical Refrigeration Systems, Absorption Refrigeration Systems, and Electrical Plan and Circuit Symbols. The manual also contains summaries of the Uniform Mechanical Code. The last section of the Refrigeration Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Refrigeration manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Refrigeration manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-38 Refrigeration Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-39: Roofing

Course Materials

Each student enrolled in the Roofing course should be issued:

- Roofing ("C-39") Manual
- Audio/Video Lectures:
 - Math Review
 - Roofing (C-39)
 - Health and Safety
 - Roofing Review Questions
- Roofing Practice Exams:
 - C-39 Test 1
 - C-39 Test 2
 - C-39 Test 3
 - C-39 Test 4
 - C-39 Test 5
 - C-39 Update
- C-39 Roofing Contractor's Computer-Assisted Practice Tests

General Information

The Roofing Manual briefly covers the major topics of the State exam including Types of Roof, Tools and Equipment, Asphalt and Wood Shingling, Rigid Roofing, Metal Roofing, Low Slope Roofing, and Insulation Terminology. The manual also contains summaries of the Uniform Building Code and a Glossary of Roofing Terms. The last section of the Roofing Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Roofing manual. The Roofing lecture covers the topics addressed in the manual specific to the C-39 trade exam. Students who have limited math skills should also see Basic Construction Math, Parts 1 and 2. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Roofing manual. The Roofing Review Questions Lecture covers the Roofing Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The C-39 Roofing Contractor's Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-42: Sanitation Systems

Course Materials

Each student enrolled in the Sanitation Systems course should be issued:

- Sanitation Systems (“C-42”) Manual
- *Excavation & Grading Handbook, Revised*, by Nicholas Capachi
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
 - Excavation and Grading
- Sanitation Systems Practice Exams:
 - C-42 Test 1
 - C-42 Test 2
 - C-42 Update
- C-42 Sanitation Systems Contractor’s Computer-Assisted Practice Tests

General Information

Excavation & Grading Handbook, Revised, by Nicholas Capachi is an essential part of the Sanitation Systems course. The *Handbook* and the accompanying Excavation and Grading lecture contain vital information for passing the State exam.

The Sanitation Systems Manual briefly covers the major topics of the State exam including summaries of the Uniform Plumbing Code and Caltrans Standard Specifications. The last section of the Sanitation Systems Manual covers the Health and Safety Orders.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-42 Sanitation Systems Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-43: Sheet Metal

Course Materials

Each student enrolled in the Sheet Metal course should be issued:

- Sheet Metal ("C-43") Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Sheet Metal Practice Exams:
 - C-43 Test 1
 - C-43 Test 2
 - C-43 Update
- C-43 Sheet Metal Contractor's Computer-Assisted Practice Tests

General Information

The Sheet Metal Manual briefly covers the major topics of the State exam including Materials, Drainage Systems, Flashing, Metal Roofing Methods, Symbols and Seams. The manual also includes summaries of the Uniform Mechanical Code. The last section of the Sheet Metal Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Sheet Metal manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Sheet Metal manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The C-43 Sheet Metal Contractor's Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-45: Electrical Sign

Course Materials

Each student enrolled in the Electrical Sign course should be issued:

- Electrical Sign (“C-45”) Manual
- Audio/Video Lectures:
 - Business Math and Architectural Scale
 - Health and Safety
- Electrical Sign Practice Exams:
 - C-45 Test 1
 - C-45 Update
- C-45 Electrical Sign Contractor’s Computer-Assisted Practice Tests

General Information

The Electrical Sign Manual briefly covers the major topics of the State exam including Electrical Theory, and summaries of UL 48 and the National Electrical Code. The last section of the Electrical Sign Manual covers the Health and Safety Orders.

The Business Math and Architectural Scale Lecture covers the first part of the Electrical Sign manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Electrical Sign manual.

The C-45 Practice Exams are currently being revised to bring them more in line with the current State Exam. This is a time consuming process since few students take the C-45 Exam and we receive little feedback on the course. While it is important to study **all** of the practice exams, please be sure that your students pay special attention to the C-45 Update as it is the most recent information we have available for this course. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-45 Electrical Sign Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-46: Solar

Course Materials

Each student enrolled in the Solar course should be issued:

- Solar ("C-46") Manual
- Audio/Video Lectures:
 - Math Review
 - Solar (C-46)
 - Health and Safety
 - Solar Review Questions
- Solar Practice Exams:
 - C-46 Test 1
 - C-46 Test 2
 - C-46 Update
- C-46 Solar Contractor's Computer-Assisted Practice Tests

General Information

The Solar Manual covers Energy Conservation, Solar Space Heating and Cooling, Solar Domestic Hot Water Heating (DHW) Systems, Photovoltaic Power Systems, and Basic Electrical Theory. The manual also includes summaries of the National Electrical Code, California Plumbing Code, California Mechanical Code, California Building Code, and the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Solar manual. The Solar Lecture covers the topics in the Solar manual specific to the C-46 exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Solar manual. The Solar Review Questions lecture covers the Solar Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The C-46 Solar Contractor's Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-47: General Manufactured Housing

Course Materials

Each student enrolled in the General Manufactured Housing course should be issued:

- General Manufactured Housing (“C-47”) Manual
- Audio/Video Lectures:
 - Math Review
 - General Building (B) Part 1
 - General Building (B) Part 2
 - Health and Safety
 - General Building Review Questions
- General Manufactured Housing Practice Exams:
 - C-47 Test 1
 - C-47 Test 2
 - C-47 Update
- C-47 General Manufactured Housing Contractor’s Computer-Assisted Practice Tests

General Information

The General Manufactured Housing Manual uses the General Building Manual with a substantial C-47 supplement. The supplement includes excerpts from Title 25. The last section of the General Manufactured Housing Manual covers the Health and Safety Orders.

The Math Review lecture covers the math formulas in the first part of the manual. The General Building Part 1, and Part 2 Lectures cover the topics the General Building section of the General Manufactured Housing Manual. The Health and Safety Lecture covers the Health and Safety Orders which is the last chapter of the manual. The General Building Review Questions lecture covers the General Building Review Questions at the back of the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-47 General Manufactured Housing Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-50: Reinforcing Steel

Course Materials

Each student enrolled in the Reinforcing Steel course should be issued:

- Reinforcing Steel (“C-50”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Reinforcing Steel Practice Exams:
 - C-50 Test 1
 - C-50 Test 2
 - C-50 Update
- C-50 Reinforcing Steel Contractor’s Computer-Assisted Practice Tests

General Information

The Reinforcing Steel Manual briefly covers the major topics of the State exam including Bar Fabrication, Bar Identification, Welded Wire Fabric, Concrete Protection, Welding Reinforcing Steel, Welding Symbols, Pre-Stressing and Post-Tensioning, and Tying Bars. The manual also includes a Glossary. The last section of the Reinforcing Steel Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Reinforcing Steel manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Reinforcing Steel manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-50 Reinforcing Steel Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-51: Structural Steel

Course Materials

Each student enrolled in the Structural Steel course should be issued:

- Structural Steel (“C-51”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Structural Steel Practice Exams:
 - C-51 Test 1
 - C-51 Test 2
 - C-51 Test 3
 - C-51 Update
 - Health and Safety
- C-51 Structural Steel Contractor’s Computer-Assisted Practice Tests

General Information

The Structural Steel Manual briefly covers the major topics of the State exam including Designation of Steel Members, Rigging, Steel, Fasteners, Welding, Trusses, and Cranes and Derricks. The manual also includes summaries of the Uniform Building Code. The last section of the Structural Steel Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Structural Steel manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Structural Steel manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-51 Structural Steel Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-53: Swimming Pool

Course Materials

Each student enrolled in the Swimming Pool course should be issued:

- Swimming Pool (“C-53”) Manual
- Audio/Video Lectures:
 Health and Safety
- Swimming Pool Practice Exams:
 C-53 Test 1
 C-53 Test 2
 C-53 Test 3
 C-53 Update
- C-53 Swimming Pool Contractor’s Computer-Assisted Practice Tests

General Information

The Swimming Pool Manual briefly covers the major topics of the State exam including Disinfection Agents, Water Problems, Chemical Operational Parameters, Gunite and Shotcrete, Basic Electrical Theory, and Surveying. The manual also includes several schematics of Pool Systems, and summaries of the National Electrical Code. The last section of the Swimming Pool Manual covers the Health and Safety Orders.

The Health and Safety Lecture covers the Health and Safety Orders at the end of the Swimming Pool manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-53 Swimming Pool Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-54: Ceramic and Mosaic Tile

Course Materials

Each student enrolled in the Ceramic and Mosaic Tile course should be issued:

- Tile (Ceramic and Mosaic) (“C-54”) Manual
- Audio/Video Lectures:
 - Math Review
 - Tile (C-54) General Knowledge
 - Tile Review Questions
 - Health and Safety
- Ceramic and Mosaic Tile Practice Exams:
 - C-54 Test 1
 - C-54 Test 2
 - C-54 Update
- C-54 Tile Contractor’s Computer-Assisted Practice Tests

General Information

The Tile Manual briefly covers the major topics of the State exam including Estimating, Tools, Materials, General Work Requirements, Tiling Floors and Ceilings, Vertical Applications, Special Applications, and Stone Slab Fabrication and Installation. The manual also includes sections on Stair Construction and ADA Requirements. The last section of the Tile Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Tile manual. The Tile lecture covers the topics addressed in the manual specific to the C-54 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Tile manual. The Tile Review Questions Lecture covers the Tile Review Questions in the back of the manual

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-54 Tile Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-55: Water Conditioning

Course Materials

Each student enrolled in the Water Conditioning course should be issued:

- Water Conditioning (“C-55”) Manual
- Audio/Video Lectures:
 Health and Safety
- Water Conditioning Practice Exams:
 C-55 Test 1
 C-55 Update
- C-55 Water Conditioning Contractor’s Computer-Assisted Practice Tests

General Information

The Water Conditioning Manual briefly covers the major topics of the State exam including Ion Exchange, Filtration, Treatment for Iron, Deionization, Feeders, Reverse Osmosis, Ozonation, Iron and Copper Pipe Fittings, and Water Systems Sizing. The manual also includes a summary of Problems and Treatments. The last section of the Water Conditioning Manual covers the Health and Safety Orders.

The Health and Safety Lecture covers the Health and Safety Orders at the end of the Water Conditioning manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-55 Water Conditioning Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-57: Well Drilling

Course Materials

Each student enrolled in the Well Drilling course should be issued:

- Well Drilling (“C-57”) Manual
- Audio/Video Lectures:
 Health and Safety
- Well Drilling Practice Exams:
 C-57 Test 1
 C-57 Test 2
 C-57 Update
- C-57 Well Drilling Contractor’s Computer-Assisted Practice Tests

General Information

The Well Drilling Manual briefly covers the major topics of the State exam including Hydrology, Well Construction Methods, Types of Drilling Machines, Selection of Equipment, Water Well Reports, and Estimating. The manual also includes a summary of the California Vehicle Code. The last section of the Well Drilling Manual covers the Health and Safety Orders.

The Health and Safety Lecture covers the Health and Safety Orders at the end of the Well Drilling manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-57 Well Drilling Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

C-60: Welding

Course Materials

Each student enrolled in the Welding course should be issued:

- Welding (“C-60”) Manual
- Audio/Video Lectures:
 - Math Review
 - Health and Safety
- Welding Practice Exams:
 - C-60 Test 1
 - C-60 Test 2
 - C-60 Test 3
 - C-60 Update
- C-60 Welding Contractor’s Computer-Assisted Practice Tests

General Information

The Welding Manual briefly covers the major topics of the State exam including Stainless Steels, Oxyacetylene Welding, Gas Metal Arc Welding, Flux-Cored Arc Welding, Gas Tungsten Arc Welding, Shielded Metal Arc Welding, Submerged Arc Welding, Electroslag Welding, Carbon Arc Welding, Plasma Arc Welding, Brazing and Braze Welding, Soldering, Welding Symbols, Weld Types, Oxyfuel Gas Cutting, Plasma Arc Cutting, Air Carbon Arc Cutting, Oxygen Arc Cutting, and Surfacing Processes. The manual also includes a Glossary. The last section of the Welding Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the Welding manual. The Health and Safety Lecture covers the Health and Safety Orders at the end of the Welding manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State’s questions may be worded differently.

The C-60 Welding Contractor’s Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student’s computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

Asbestos Abatement Certification

Course Materials

Each student enrolled in the Asbestos Abatement course should be issued:

- Asbestos Abatement Manual
- Audio/Video Lectures:
 - Asbestos Abatement Part 1
 - Asbestos Abatement Part 2
- Asbestos Abatement Practice Exams:
 - Asbestos Abatement Test 1
 - Asbestos Abatement Test 2
 - Asbestos Abatement Update
- Asbestos Abatement Certificate Computer-Assisted Practice Tests

General Information

The Asbestos Abatement Manual briefly covers the major topics of the State exam including Assessments, Sampling, Lab Testing, Abatement Methods, Start-Up Sequence, Containment, Negative Air Systems, Clean-Up Sequence, Small Jobs, Asbestos-Related Diseases, and Respirators. The manual also contains summaries of Asbestos related laws.

The Asbestos Abatement Part 1 and Part 2 Lectures cover the information in the Asbestos Abatement manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The Asbestos Abatement Certificate Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.

Hazardous Substances Removal Certification

Course Materials

Each student enrolled in the Hazardous Substances Removal course should be issued:

- Hazardous Substances Removal Manual
- Audio/Video Lectures:
 - Health and Safety
- Hazardous Substances Removal Practice Exams:
 - Hazardous Substances Removal Test 1
 - Hazardous Substances Removal Test 2
 - Hazardous Substances Removal Test 3
 - Hazardous Substances Removal Update
 - Health and Safety
- Hazardous Substances Removal Certificate Computer-Assisted Practice Tests

General Information

The Hazardous Substances Removal Manual briefly covers the major topics of the State exam including Hazardous Waste, Personnel, Personal Protective Equipment, Atmospheric Hazard Guidelines, Evacuation Routes, Site Control, Sampling, Installation of Underground Liquid Storage Systems, Excavation Equipment, and Transporting Hazardous Materials. The manual also includes a Glossary. The last section of the Hazardous Substances Removal Manual covers the Health and Safety Orders.

The Health and Safety Lecture covers the Health and Safety Orders at the end of the Hazardous Substances Removal manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The Hazardous Substances Certificate Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.