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### INSTRUCTIONAL EQUIPMENT REQUEST

**Due in Dean/Unit Head's Office on September 19, 2011 (FALL) and March 1, 2011 (SPRING)**

The Definition of Instructional Equipment can be found in the California Community College's Budget and Accounting Manual. A copy of these definitions is on the PBC webpage:  
<http://grapevine/pbc/InstructionalEquipment.php>

Name of Requestor: Scott Miner - Welding Technology

Division/Unit : BCATSS

Brief title of request (equipment or materials being requested must be similar, related or part of a system.

AWS Welding Code Reference Text

**Request amount** (unit cost and total cost including tax and shipping.  
Please include all costs including installation, modification to existing facilities to accomodate new equipment, etc.):  
This should come from the vendor quote

Item (s) cost	\$ <u>372</u>
Tax (.00975)	\$ <u>40</u>
Shipping	\$ <u>20</u>
Installation	\$ _____
Facilities Modification	\$ _____
Other	\$ _____
Total Cost	\$ <u>432</u>

**Attach copy of quote(s), estimate(s) and requisition(s):**

(Must attach quote & requisition; absence of either will delay processing)

**Brief description of specific equipment or materials requested and what they will be used for: (include the # pieces being requested; i.e.: 10 crayola crayons, sky blue, etc. in 250 words or less)**

American Welding Society D1.1 Structural Steel Welding Code - Newly Updated 2010  
The industry standard source for welding and inspection

Is this in your Program Review? Yes  No

Yes, there is a discussion to stay current with industry in the area of reference texts

Is it a replacement? Yes

Upgrade? Yes

New technology? Yes

Please explain?

This book (2010 edition) will replace the AWS D1.1 2006 edition

Following is the evaluation criteria; please see corresponding Instructional Equipment Rubric.

***Instructional and Service Impact***

How will this item have a positive impact on instruction and/or teaching and learning in the classroom? Is this for use by the instructor or students, or both?

This will help keep our students current with industry standards and required practices.  
This is for use by all welding students, faculty and staff.

***Impact on Enrollment***

**Will the equipment impact enrollment, attract or increase the number of students participating in a course or program?**

The text will have minimal impact on enrollment, yet will add to the experience of those already enrolled and ensure that our students meet the needs of current industry standards

**Access**

**How does this item promote the principles of universal design, by providing opportunities for under-represented populations & accommodate students with diverse learning styles?**

This text is capable of being used by all students including those from under represented populations and students with diverse learning styles. ALL students use this text.

**Outcomes**

**How will this equipment enable or enhance SLOs? What are the consequences related to learning outcomes if request is not funded?**

This will positively impact students by preping them for norms in industry.  
Our students will meet current industry standards.  
Without, we will be working from and teaching from outdated industry code texts.

**Total Cost of Ownership (This is an attempt to identify what the ongoing costs of purchasing this equipment will be to the institution)**

- a) What is the lifespan of the equipment? 5 years? 10 years? 20 years?
- b) Is there sufficient current/planned space available for the storage and use of this equipment? If so, where will it be housed? If not, is there a proposed location and are there any costs associated with installation or modifications to the space?
- c) Are there operating costs and how will they be covered by the department?
- d) What will be required to maintain the equipment, such as regular servicing or upkeep? Who will perform maintenance, and what will the estimated costs be?

The renewal cycle on these AWS Code Text Books has increased from 3 to 5 years. It was increased to address concerns that the books cost too much and are updated too often with minimal revisions  
The next update to the AWS D1.1 code will be in 2016  
This unit stores on shelving within the central toolroom

**Visibility/Profile within Community**

**Is this a "flagship" item that will bring recognition/notoriety to the College or raise the stature of the program? Will it attract students and/or enhance the image of the College in the community because of its rare, one-of-a-kind status?**

No flagship here, just a book of American know-how and innovation in the area of welding



**Commitment to Sustainability**

How does this equipment exceed basic sustainability goals and encourage renewable resources at the College? Is the design/operation of this item in keeping with the College's commitment to sustainable practices?

Increases life cycle of text/code changes from 3 year cycle to 5 year cycle, thus minimizing the need for printing new books

**Health, Safety & Security**


Does this equipment address any health, safety & security concerns? If so, please explain below.

This text will increase student happiness and well-being within the welding department

**Signatures (required)**

(If requesting computer-related equipment/software, LPC IT Department Review is **required**.)

Requested by

  
SCOTT MINER

LPC VP Business/President


Dean/  
Unit Head

  
9/23/11

LPC Business Office Use (Account Number)

IT Department Signature

Vice President

  
9/23/11





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D1.1/D1.1M: 2010 STRUCTURAL WELDING CODE-STEEL NEW 5 YEAR REVISION CYCLE (2010)

5496.00

For everyone involved in any phase of welding steel structures - engineers, detailers, fabricators, erectors, inspectors, etc. - the new D1.1 spells out the requirements for design, procedures, qualification, fabrication, inspection, and repair of pipe, plate, and structural shapes that are subject to either static or cyclical stresses. U.S. Customary and SI units of measurement. This code covers the welding requirements for any type of welded structure made from the commonly used carbon and low-alloy constructional steels. Clauses 1 through 8 constitute a body of rules for the regulation of welding in steel construction. There are eight normative and twelve informative annexes in this code. 570 pages, 21 annexes, 171 figures, 78 tables. (2010)

Customers who purchased AWS D1.1 have also bought:

- **ASTMD1 - ASTM STANDARDS FOR WELDING PLUS AWS D1.1 SET** - View More
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- **A3.0/A3.0:2010 STANDARD WELDING TERMS AND DEFINITIONS; INCLUDING TERMS FOR ADHESIVE BONDING, BRAZING, SOLDERING, THERMAL CUTTING, AND THERMAL SPRAYING** - View More
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- **D1.1/D1.1M: 2008 STRUCTURAL WELDING CODE-STEEL (WITH 2009 ERRATA) (HISTORICAL)** - View More
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- **D1.1/D1.1M:2004 STRUCTURAL WELDING CODE STEEL (HISTORICAL)** - View More

Available Options:

AWS Membership:  Non-Member  
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Notify Me of updates to: D1.1/D1.1M: 2010 STRUCTURAL WELDING CODE-STEEL NEW 5 YEAR REVISION CYCLE (2010)

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- D3.0M:2010 Underwater Welding Code
- A7.2:2010 RECOMMENDED PRACTICES FOR LASER BEAM THERMAL CUTTING AND DRILLING
- RWRH:2011 REGISTERED WELDING POCKET HANDBOOK
- A1.10M/D1.10: 2008 GUIDE FOR NONDESTRUCTIVE EXAMINATION OF WELDS
- AWP: 2010 AWS User's Guide to Filler Metals REVISION

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