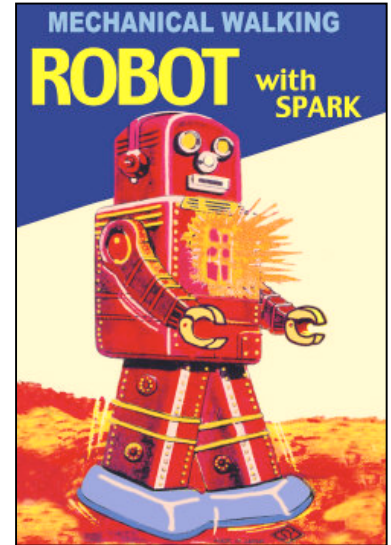


**University of Colorado Denver      Continuing Engineering Education Program**  
**Professional Engineer Examination Refresher Course for Mechanical**  
**NCES 8070 (Non-Credit) – Spring 2010**

Jan. 1	<b>Application Deadline for April 2010 Exam – DORA</b>		
Feb. 26	<b>Registration Deadline for April 2010 Exam – ELSSES</b>		
Jan. 30	<b>Early Registration Deadline for PE-Mechanical Refresher Course – CEEP</b>		
Feb. 6	<b>Basic Engineering Practice I (8:30am to 12:30pm)</b> w/ <b>S. Lowery:</b> Terms and Symbols, Economic Analysis, Project Management		
	<b>Basic Engineering Practice II (1:30pm to 5:30pm)</b> w/ <b>R. Sanchez:</b> Interpretation of Technical Drawings, Electrical Concepts, Units and Conversions		
Feb. 13	<b>Mechanical Systems &amp; Materials I (8:30am to 12:30pm)</b> w/ <b>R. Rorrer:</b> Statics and Dynamics, Strength of Materials, Stress Analysis, Fatigue Theory		
	<b>Mechanical Systems &amp; Materials II (1:30pm to 5:30pm)</b> w/ <b>R. Rorrer:</b> Mechanical Components, Joints and Fasteners, Vibration/Dynamic Analysis, Materials Selection		
Feb. 20	<u>NO CLASS      TIME TO REVIEW      CHECK BLACKBOARD</u>		
Feb. 27	<b>Energy/Power Systems I (8:30am to 12:30pm)</b> w/ <b>R. Heath:</b> Thermodynamic Cycles and Properties, Energy and Mass Balances, Heat Transfer, Combustion		
	<b>Energy/Power Systems II (1:30pm to 5:30pm)</b> w/ <b>R. Heath:</b> Power Conversion Systems, Energy/Power Equipment, Heat Exchangers		
Mar. 6	<b>Hydraulics &amp; Fluids I (8:30am to 12:30pm)</b> w/ <b>F. Pontius:</b> Compressible and Incompressible Flow		
	<b>Hydraulics &amp; Fluids II (1:30pm to 5:30pm)</b> w/ <b>F. Pontius:</b> Hydraulic and Fluid Equipment, Piping Systems and Components		
Mar. 13	<u>NO CLASS      TIME TO REVIEW      CHECK BLACKBOARD</u>		
Mar. 20	<b>HVAC/Refrigeration I (8:30am to 12:30pm)</b> w/ <b>R. Heath:</b> Psychometrics, Refrigeration Cycles, Heat Transfer		
	<b>HVAC/Refrigeration II (1:30pm to 5:30pm)</b> w/ <b>R. Heath:</b> Refrigeration Systems and Components, Heating and Cooling Loads		
Mar. 27	<b>Engineering Economics (8:30am to 12:30pm)</b> w/ <b>G. Bardsley:</b> Discounted Cash Flow, Cost, Analyses, Uncertainty		
	<b>Ethics &amp; Business Practices (1:30pm to 5:30pm)</b> w/ <b>G. Bardsley:</b> Code of Ethics, Agreements and Contracts, Ethical vs. Legal, Professional Liability, Public Protection Issues		
Apr. 3	<u>NO CLASS</u>	<u>TIME TO REVIEW</u>	<u>CHECK BLACKBOARD</u>
Apr. 10	<u>NO CLASS</u>	<u>TIME TO REVIEW</u>	<u>CHECK BLACKBOARD</u>
Apr. 16	<u>PE EXAM</u>	<u>BEST OF LUCK</u>	<u>YOU CAN DO IT!</u>



Mechanical Walking Red Robot with Spark, Giclee Print. [www.art.com](http://www.art.com)

**University of Colorado Denver      Continuing Engineering Education Program**  
**Professional Engineer Examination Refresher Course for Mechanical**  
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**What Is This Course All About?**

Besides reviewing exam topics, we gear our PE-Mechanical Refresher Course to help you pass the exam. With example problems and solutions presented by our subject matter experts, we prepare you for the Morning Breadth Session of the PE-Mechanical State Board Exam, which consists of 40 multiple-choice questions in 6 topic areas. Our Refresher Course includes the standardized 6-topic areas: Basic Engineering Practice, Mechanical Systems & Materials, Hydraulics & Fluids, Energy/Power Systems, HVAC/Refrigeration, plus Engineering Economics, and Ethics & Business Practices. See the back of this flyer for a full breakdown of the schedule covering all 6 topics.

**Why Should I Take This Course?**

Do you want to pass the PE-Mechanical State Board Exam? It seems like a simple question, and all other reference materials will help. However, being in an interactive classroom, solving problems, and asking questions, is far more effective than merely studying on your own. As well as providing additional problem/solution practice, we supply a committed setting for developing professional relationships with other qualified students, which in-turn creates study groups for even further comprehension. Overall, our students gain a deeper understanding of the type of questions presented on the State Board Exam. Furthermore, almost all of our students pass the PE-Mechanical exam after taking our refresher course. Then again, just in case you need to try another time, we offer our “Repeat Refresher Students” a \$100 discount on any future refresher course enrollments, or a \$50 per topic session “Al A Carte” discount, or activation of the course On-line Blackboard Shell for only \$200. Better yet, we even offer a 15% discount on any of the Professional Publications, Inc. study materials through the following link: <http://ppi2pass.com/ppi/PPIShop?psp=D1174>

**Where And When Do I Attend Class?**

Held at the Auraria Campus in Downtown Denver for 6 Saturdays (12 topic sessions) from February 6 – March 27, 2010; from 8:30am to 5:30pm (1 hour break for lunch)

**How Much Is This Going To Cost Me, And What Do I Get For My Money?**

\$600 tuition includes an On-Line Blackboard Shell supplying all materials provided by our instructor (notes, problems/solutions, exam specs, and much more), a \$50 Gift Certificate to the Auraria Campus Clicks Copy Center for printing any notes or obtaining anything else you may need throughout the duration of the course. Students who attend 10 of the 12 topic sessions earn a Passing Grade and a Certificate of Completion with 4.8 CEUs (Continuing Education Units) equaling 48-hours of in-class attendance; Sign-in on each topic session’s attendance roster required.

**FYI:** Late Registration Fee (\$100) begins at 5:00pm on January 30, 2010

**FYI:** Drop Deadline is 5:00pm on January 30, 2010

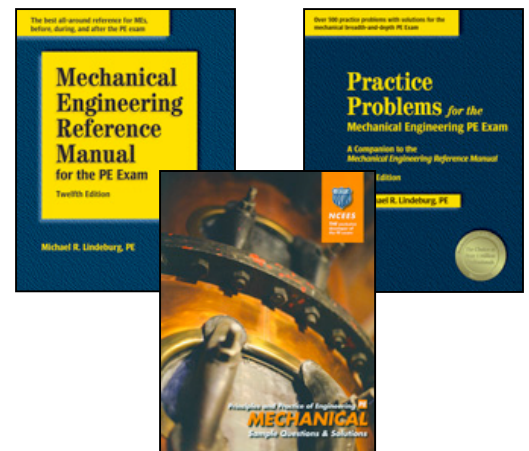
**FYI: Register Early!** We process all payments after the drop deadline, your registration and accompanying payment act as a “seat-saver” until the course officially begins.

**How Do I Register For This Course?**

Please visit our website at: [www.cudenver.edu/ceep](http://www.cudenver.edu/ceep), print out the Registration Form, fill it out completely, and then get it back to Heidi Utt by mail, fax, or hand-delivery. Do not procrastinate sending-in your registration.

**Which Reference Materials Should I Purchase?**

- *Mechanical Engineering Reference Manual for the PE Exam (MERM12), 12th Edition; Michael Lindeburg, 2006, ISBN: 9781591260493; pictured at right*
- *Practice Problems for the Mechanical PE Exam (MEPP12), 12th Edition, Michael Lindeburg, 2006, ISBN: 9781591260509; pictured at right*
- *Mechanical Engineering Sample Questions and Solutions, (NCP5), NCEES, 2008, ISBN: 9781932613360; pictured at right*



**How Do I Apply To Take The PE-Mechanical Exam?**

The National Principles and Practice Examination takes place on Friday, April 16, 2010. If you plan to sit for this exam, you must have your completed application on file with the State Board Office by January 1, 2010. For further information, please call the State Board Office at 303-894-7788, or visit them online at [www.dora.state.co.us/aes/](http://www.dora.state.co.us/aes/).

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TF: 1-877-859-7304

Web: [www.cudenver.edu/ceep](http://www.cudenver.edu/ceep)