

# Spring Calendar 2018

Training Courses For Engineers  
And Technical Professionals

## North America And Europe

+1.800.843.2763	U.S. and Canada
+1.001.800.843.2763	Mexico
+32.2.743.1543	Europe
+1.973.882.1170	Outside North America

[asmelearning@asme.org](mailto:asmelearning@asme.org)

FEBRUARY 2018 – LAS VEGAS, NEVADA USA			PIPING & PIPELINES CODE TRAINING AT ASME BOILER CODE WEEK	VISIT: <a href="http://GO.ASME.ORG/LASVEGAS3">GO.ASME.ORG/LASVEGAS3</a>
PUBLIC	MC142	ASME B31.8S Integrity Management of Natural Gas Pipelines Using ASME B31.8S Standard	ASME MASTERCLASS <a href="#">ASME STANDARDS COURSE</a>	5–6 FEB
	PD723	ASME B31.4 and B31.8, Liquids and Gas Pipelines	<a href="#">ASME STANDARDS COURSE</a>	5–7 FEB
	PD643	B31.3 Process Piping Code	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	5–8 FEB
FEBRUARY 2018 – NASHVILLE, TENNESSEE USA				VISIT: <a href="http://GO.ASME.ORG/NASHVILLE3">GO.ASME.ORG/NASHVILLE3</a>
PUBLIC	PD570	Geometric Dimensioning & Tolerancing Fundamentals 1	<a href="#">ASME STANDARDS COURSE</a>	12–13 FEB
	PD027	Heating, Ventilating and Air-Conditioning Systems: Sizing and Design		12–14 FEB
	PD231	Shock and Vibration Analysis	<b>TOP SELLER!</b>	12–14 FEB
	PD389	Nondestructive Examination - Applying ASME Code Requirements (Section V)	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	12–14 FEB
	PD506	Effective Management of Research and Development Teams and Organizations		12–14 FEB
	PD685	The Engineering Manager: Engaging Today's Workforce and Strategic Thinking Combo Course (combines PD475 and PD676)	<b>SAVE UP TO \$510!</b>	12–14 FEB
	PD603	GD&T Combo Course	<b>TOP SELLER!</b> (combines PD561 and PD570) <b>SAVE UP TO \$960!</b>	12–15 FEB
	PD620	Core Engineering Management		12–15 FEB
	PD632	Design in Codes, Standards and Regulations for Nuclear Power Plant Construction	<a href="#">ASME STANDARDS COURSE</a>	12–15 FEB
	PD675	ASME NQA-1 Lead Auditor Training		12–15 FEB
	PD192	BPV Code, Section XI: Inservice Inspection of Nuclear Power Plant Components	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	12–16 FEB
	PD676	Strategic Thinking		14 FEB
	PD561	Geometric Tolerancing Applications and Tolerance Stacks		14–15 FEB
	PD624	Two-Phase Flow and Heat Transfer		15–16 FEB
MARCH 2018 – LAS VEGAS, NEVADA USA				VISIT: <a href="http://GO.ASME.ORG/LASVEGAS4">GO.ASME.ORG/LASVEGAS4</a>
PUBLIC	PD391	ASME B31.4 Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	5–6 MAR
	PD606	ASME NQA-1 Requirements for Computer Software Used in Nuclear Facilities	<a href="#">ASME STANDARDS COURSE</a>	5–6 MAR
	PD077	Failure Prevention, Repair and Life Extension of Piping, Vessels and Tanks	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	5–7 MAR
	PD190	BPV Code, Section IX: Welding, Brazing and Fusing Qualifications	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	5–7 MAR
	PD268	Fracture Mechanics	<b>TOP SELLER!</b>	5–7 MAR
	PD395	API 579/ASME FFS-1 Fitness-for-Service Evaluation	<b>TOP SELLER!</b>	5–7 MAR
	PD513	TRIZ: The Theory of Inventive Problem Solving	<b>TOP SELLER!</b>	5–7 MAR
	PD619	Risk and Reliability Strategies for Optimizing Performance		5–7 MAR
	PD711	ASME NQA-1 and DOE Quality Assurance Rule 10 CFR 830	<a href="#">ASME STANDARDS COURSE</a>	5–7 MAR
	PD763	Centrifugal Pumps: Testing, Design and Analysis	<b>TOP SELLER!</b>	5–7 MAR
	PD184	BPV Code, Section III, Division 1: The Code and Regulation	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	5–8 MAR
	PD644	Advanced Design and Construction of Nuclear Facility Components Per BPV Code, Section III		5–8 MAR
	PD772	Electrohydraulic Components and Systems	<b>NEW!</b>	5–8 MAR
	PD013	B31.1 Power Piping Code	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	5–9 MAR
	PD432	Turbo Machinery Dynamics: Design and Operation		5–9 MAR
	PD673	Design and Selection of Heat Exchangers	<b>TOP SELLER!</b>	8–9 MAR



MARCH 2018 – HOUSTON, TEXAS USA			VISIT: <a href="http://GO.ASME.ORG/HOUSTON3">GO.ASME.ORG/HOUSTON3</a>
PUBLIC	PD539	Bolted Joints and Gasket Behavior	19–20 MAR
	PD766	Post Weld Heat Treatments In ASME Codes <a href="#">ASME STANDARDS COURSE</a> <b>NEW!</b>	19–20 MAR
	PD370	ASME B31.8 Gas Transmission and Distribution Piping Systems <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	19–21 MAR
	PD615	Nuclear Piping Systems: BPV Code Section III and B31.1: Design, Integrity-Operability Assessment and Repairs <a href="#">ASME STANDARDS COURSE</a>	19–21 MAR
	PD618	Root Cause Analysis Fundamentals	19–21 MAR
	PD014	B31.3 Process Piping Design <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	19–22 MAR
	PD394	Seismic Design and Retrofit of Equipment and Piping	19–22 MAR
	PD581	ASME B31.3 Process Piping Design, Materials, Fabrication, Examination and Testing Combo Course <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b> (combines PD014 and PD457) <b>SAVE UP TO \$845!</b>	19–23 MAR
	PD601	Bolting Combo Course <b>TOP SELLER!</b> (combines PD386, PD539 and PD577) <b>SAVE UP TO \$1,440!</b>	19–23 MAR
	PD386	Design of Bolted Flange Joints	21 MAR
	PD457	B31.3 Process Piping Materials Fabrication, Examination & Testing <a href="#">ASME STANDARDS COURSE</a>	22–23 MAR
	PD577	Bolted Joint Assembly Principles Per PCC-1-2013 <a href="#">ASME STANDARDS COURSE</a>	22–23 MAR
	PD706	Inline Inspections for Pipelines	22–23 MAR
APRIL 2018 – BELLEVUE, WASHINGTON USA			VISIT: <a href="http://GO.ASME.ORG/BELLEVUE2">GO.ASME.ORG/BELLEVUE2</a>
PUBLIC	PD100	Introduction to the Maintenance and Inspection of Elevators and Escalators	9–10 APR
	PD445	ASME B31 Piping Fabrication and Examination <a href="#">ASME STANDARDS COURSE</a>	9–10 APR
	PD475	The Engineering Manager: Engaging Today's Workforce	9–10 APR
	PD539	Bolted Joints and Gasket Behavior	9–10 APR
	PD570	Geometric Dimensioning and Tolerancing Fundamentals 1 <a href="#">ASME STANDARDS COURSE</a>	9–10 APR
	PD146	Flow-Induced Vibration with Applications to Failure Analysis <b>TOP SELLER!</b>	9–11 APR
	PD442	ASME BPV Code, Section VIII, Division 1: Design and Fabrication of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	9–11 APR
	PD467	Project Management for Engineers and Technical Professionals <b>TOP SELLER!</b>	9–11 APR
	PD506	Effective Management of Research and Development Teams and Organizations	9–11 APR
	PD584	Centrifugal Compressor Performance Analysis	9–11 APR
	PD615	Nuclear Piping Systems: BPV Code Section III and B31.1: Design, Integrity-Operability Assessment and Repairs <a href="#">ASME STANDARDS COURSE</a>	9–11 APR
	PD665	ASME BPV Code, Section I: Power Boilers <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	9–11 APR
	PD685	The Engineering Manager: Engaging Today's Workforce and Strategic Thinking Combo Course (combines PD475 and PD676) <b>SAVE UP TO \$510!</b>	9–11 APR
	PD720	Layout of Process Piping Systems	9–11 APR
	PD014	B31.3 Process Piping Design <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	9–12 APR
	PD359	Practical Welding Technology <b>TOP SELLER!</b>	9–12 APR
	PD603	GD&T Combo Course <b>TOP SELLER!</b> (combines PD561 and PD570) <b>SAVE UP TO \$960!</b>	9–12 APR
	PD679	Selection of Pumps and Valves for Optimum System Performance <b>TOP SELLER!</b>	9–12 APR
	PD443	ASME BPV Code, Section VIII, Division 1 Combo Course <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b> (combines PD441 and PD442) <b>SAVE UP TO \$665!</b>	9–13 APR
	PD581	B31.3 Process Piping Design, Materials, Fabrication, Examination and Testing Combo Course <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b> (combines PD014 and PD457) <b>SAVE UP TO \$845!</b>	9–13 APR
	PD601	Bolting Combo Course <b>TOP SELLER!</b> (combines PD386, PD539 and PD577) <b>SAVE UP TO \$1,440!</b>	9–13 APR
	PD602	Elevator and Escalator Combo Course <b>TOP SELLER!</b> (combines PD100 and PD102) <b>SAVE UP TO \$1,020!</b>	9–13 APR
	PD629	Project Management Combo Course <b>TOP SELLER!</b> (combines PD467 and PD496) <b>SAVE UP TO \$755!</b>	9–13 APR
	PD686	Layout of Process Piping Systems and Plant Design Using 3D CAD/CAE and Laser Scanning Technology Combo Course (combines PD720 and PD721) <b>SAVE UP TO \$755!</b>	9–13 APR

PUBLIC	PD386	Design of Bolted Flange Joints	11 APR
	PD676	Strategic Thinking	11 APR
	PD561	Geometric Tolerancing Applications and Tolerance Stacks	11–12 APR
	PD102	A17.1 Safety Code and A17.2 Inspection Requirements <a href="#">ASME STANDARDS COURSE</a>	11–13 APR
	PD441	Inspections, Repairs and Alterations of Pressure Equipment <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	12–13 APR
	PD457	B31.3 Process Piping Materials Fabrication, Examination & Testing <a href="#">ASME STANDARDS COURSE</a>	12–13 APR
	PD496	Preparing for the Project Management Professional Certification Exam	12–13 APR
	PD577	Bolted Joint Assembly Principles Per PCC-1-2013 <a href="#">ASME STANDARDS COURSE</a>	12–13 APR
	PD721	Plant Design and Project Design Using 3D CAD/CAE and Laser Scanning Technology	12–13 APR
<b>APRIL 2018 – BRUSSELS, BELGIUM</b>			<b>VISIT: <a href="http://GO.ASME.ORG/BRUSSELS2">GO.ASME.ORG/BRUSSELS2</a></b>
PUBLIC	PD769	Boiler Operation and Maintenance <a href="#">ASME STANDARDS COURSE</a>	16–17 APR
	PD146	Flow-Induced Vibration with Applications to Failure Analysis <b>TOP SELLER!</b>	16–18 APR
	PD442	ASME BPV Code, Section VIII, Division 1: Design and Fabrication of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	16–18 APR
	PD714	BPV Code, Section VIII, Division 2: Alternative Rules for Construction of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a>	16–18 APR
	PD716	ASME BPV Code, Section 1: Power Boilers <a href="#">ASME STANDARDS COURSE</a>	16–18 APR
	PD616	API 579/ASME FFS-1 Fitness-for-Service Evaluation	16–19 APR
	PD771	Boiler Operation and Maintenance with Inspection, Repairs and Alterations Combo Course <a href="#">ASME STANDARDS COURSE</a> (combines PD769 and PD770) <b>SAVE UP TO €600!</b>	16–19 APR
	PD443	ASME BPV Code, Section VIII, Division 1 Combo Course <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b> (combines PD441 and PD442) <b>SAVE UP TO €870!</b>	16–20 APR
	PD770	Inspection, Repairs and Alterations of Boilers <a href="#">ASME STANDARDS COURSE</a>	18–19 APR
	PD441	Inspections, Repairs and Alterations of Pressure Equipment <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	19–20 APR
<b>APRIL 2018 – NEW ORLEANS, LOUISIANA USA</b>			<b>VISIT: <a href="http://GO.ASME.ORG/NEWORLEANS3">GO.ASME.ORG/NEWORLEANS3</a></b>
PUBLIC	PD115	The Gas Turbine: Principles and Applications	23–24 APR
	PD382	How to Predict Thermal-Hydraulic Loads on Pressure Vessels and Piping	23–24 APR
	PD624	Two-Phase Flow and Heat Transfer	23–24 APR
	PD077	Failure Prevention, Repair and Life Extension of Piping, Vessels and Tanks <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	23–25 APR
	PD389	Nondestructive Examination - Applying ASME Code Requirements (Section V) <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	23–25 APR
	PD410	Detail Engineering of Piping Systems <b>TOP SELLER!</b>	23–25 APR
	PD513	TRIZ: The Theory of Inventive Problem Solving <b>TOP SELLER!</b>	23–25 APR
	PD583	Pressure Relief Devices: Design, Sizing, Construction, Inspection and Maintenance <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	23–25 APR
	PD621	Grade 91 and Other Creep Strength Enhanced Ferritic Steels	23–25 APR
	PD633	Overview of Nuclear Codes and Standards for Nuclear Power Plants <a href="#">ASME STANDARDS COURSE</a>	23–25 APR
	PD765	Gas Turbine Engines – Controlling Pollutants <b>NEW!</b>	23–25 APR
	PD778	Microbiologically Influenced Corrosion (MIC) in Engineering Terms <b>NEW!</b>	23–25 APR
	PD448	BPV Code, Section VIII, Division 2: Design & Fabrication of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	23–26 APR
	PD777	Pipe Sizing, Pump Selection and Water Hammer	23–26 APR

MASTERCLASS SERIES – PIPING AND PRESSURE VESSELS				VISIT: GO.ASME.ORG/NEWORLEANS4
MASTER	MC110	Bases and Application of Piping Flexibility Analysis to ASME B31 Codes	ASME STANDARDS COURSE TOP SELLER!	23–24 APR
	MC113	Techniques and Methods Used in API 579-1/ASME FFS-1 for Advanced Fitness-For-Service (FFS) Assessments	ASME STANDARDS COURSE	23–24 APR
	MC127	Bases and Application of Design Requirements for High Pressure Vessels in ASME Code Section VIII, Division 3	ASME STANDARDS COURSE TOP SELLER!	23–24 APR
	MC150	Fracture Mechanics and Other Methods for Fatigue and Fracture Analysis of Pressure Equipment		23–24 APR
	MC151	Design by Rule Requirements in ASME Pressure Vessel Code Section VIII, Division 2	ASME STANDARDS COURSE	23–24 APR
	MC111	Piping Vibration Causes and Remedies - a Practical Approach	TOP SELLER!	25–26 APR
	MC121	Design by Analysis Requirements in ASME Boiler and Pressure Vessel Code Section VIII, Division 2 – Alternative Rules	ASME STANDARDS COURSE TOP SELLER!	25–26 APR
	MC112	Materials and Design for High Temperatures		26–27 APR
	MC117	Piping Failures - Causes and Prevention	TOP SELLER!	27 APR
	MC123	Fatigue Analysis Requirements in ASME BPV Code Section VIII, Division 2 – Alternative Rules	ASME STANDARDS COURSE TOP SELLER!	27 APR
MAY 2018 – MINNEAPOLIS, MINNESOTA USA V&V SEMINARS AT ASME'S SEVENTH VERIFICATION & VALIDATION SYMPOSIUM				VISIT: GO.ASME.ORG/VANDV3
PUBLIC	MC133	Verification and Validation in Scientific Computing		14–15 MAY
	MC146	Probabilistic and Uncertainty Quantification Methods for Model Verification & Validation		14–15 MAY
MAY 2018 – CHICAGO, ILLINOIS USA				VISIT: GO.ASME.ORG/CHICAGO2
PUBLIC	PD769	Boiler Operation and Maintenance	ASME STANDARDS COURSE	14–15 MAY
	PD395	API 579/ASME FFS-1 Fitness-for-Service Evaluation	TOP SELLER!	14–16 MAY
	PD442	ASME BPV Code, Section VIII, Division 1: Design and Fabrication of Pressure Vessels	ASME STANDARDS COURSE TOP SELLER!	14–16 MAY
	PD618	Root Cause Analysis Fundamentals		14–16 MAY
	PD635	ASME NQA-1 Quality Assurance Requirements for Nuclear Facility Applications	ASME STANDARDS COURSE	14–16 MAY
	PD702	Process Safety and Risk Management for Engineers and Supervisors		14–16 MAY
	PD184	BPV Code, Section III, Division 1: The Code and Regulation	ASME STANDARDS COURSE TOP SELLER!	14–17 MAY
	PD394	Seismic Design and Retrofit of Equipment and Piping		14–17 MAY
	PD622	ASME BPV Code: Plant Equipment Requirements	ASME STANDARDS COURSE	14–17 MAY
	PD632	Design in Codes, Standards and Regulations for Nuclear Power Plant Construction	ASME STANDARDS COURSE	14–17 MAY
	PD675	ASME NQA-1 Lead Auditor Training		14–17 MAY
	PD771	Boiler Operation and Maintenance with Inspection, Repairs and Alterations Combo Course	ASME STANDARDS COURSE (combines PD769 and PD770) SAVE UP TO \$750!	14–17 MAY
	PD013	B31.1 Power Piping Code	ASME STANDARDS COURSE TOP SELLER!	14–18 MAY
	PD192	BPV Code: Section XI: Inservice Inspection of Nuclear Power Plant Components	ASME STANDARDS COURSE TOP SELLER!	14–18 MAY
	PD443	ASME BPV Code, Section VIII, Division 1 Combo Course	ASME STANDARDS COURSE TOP SELLER! (combines PD441 and PD442) SAVE UP TO \$665!	14–18 MAY
	PD770	Inspection, Repairs and Alterations of Boilers	ASME STANDARDS COURSE	16–17 MAY
	PD441	Inspections, Repairs and Alterations of Pressure Equipment	ASME STANDARDS COURSE TOP SELLER!	17–18 MAY
	PD634	Comparison of Global Quality Assurance and Management System Standards Used for Nuclear Application	ASME STANDARDS COURSE	17–18 MAY

### MAY 2018 – LAS VEGAS, NEVADA USA

VISIT: [GO.ASME.ORG/LASVEGAS5](http://GO.ASME.ORG/LASVEGAS5)

PUBLIC	PD100	Introduction to the Maintenance and Inspection of Elevators and Escalators	21–22 MAY
	PD539	Bolted Joints and Gasket Behavior	21–22 MAY
	PD570	Geometric Dimensioning and Tolerancing Fundamentals 1 <a href="#">ASME STANDARDS COURSE</a>	21–22 MAY
	PD027	Heating, Ventilating and Air-Conditioning Systems: Sizing and Design	21–23 MAY
	PD146	Flow-Induced Vibration with Applications to Failure Analysis <b>TOP SELLER!</b>	21–23 MAY
	PD231	Shock and Vibration Analysis <b>TOP SELLER!</b>	21–23 MAY
	PD370	ASME B31.8 Gas Transmission and Distribution Piping Systems <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	21–23 MAY
	PD389	Nondestructive Examination - Applying ASME Code Requirements (Section V) <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	21–23 MAY
	PD410	Detail Engineering of Piping Systems <b>TOP SELLER!</b>	21–23 MAY
	PD442	ASME BPV Code, Section VIII, Division 1: Design and Fabrication of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	21–23 MAY
	PD467	Project Management for Engineers and Technical Professionals <b>TOP SELLER!</b>	21–23 MAY
	PD515	Dimensioning and Tolerancing Principles for Gages and Fixtures	21–23 MAY
	PD711	ASME NQA-1 and DOE Quality Assurance Rule 10 CFR 830 <a href="#">ASME STANDARDS COURSE</a>	21–23 MAY
	PD603	GD&T Combo Course <b>TOP SELLER!</b> (combines PD561 and PD570) <b>SAVE UP TO \$960!</b>	21–24 MAY
	PD764	Introduction to Hydraulic Systems for Industry Professionals	21–24 MAY
	PD777	Pipe Sizing, Pump Selection and Water Hammer	21–24 MAY
	PD443	ASME BPV Code, Section VIII, Division 1 Combo Course <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b> (combines PD441 and PD442) <b>SAVE UP TO \$665!</b>	21–25 MAY
	PD601	Bolting Combo Course <b>TOP SELLER!</b> (combines PD386, PD539 and PD577) <b>SAVE UP TO \$1,440!</b>	21–25 MAY
	PD602	Elevator and Escalator Combo Course <b>TOP SELLER!</b> (combines PD100 and PD102) <b>SAVE UP TO \$1,020!</b>	21–25 MAY
	PD629	Project Management Combo Course <b>TOP SELLER!</b> (combines PD467 and PD496) <b>SAVE UP TO \$755!</b>	21–25 MAY
	PD386	Design of Bolted Flange Joints	23 MAY
	PD561	Geometric Tolerancing Applications and Tolerance Stacks	23–24 MAY
	PD102	A17.1 Safety Code and A17.2 Inspection Requirements <a href="#">ASME STANDARDS COURSE</a>	23–25 MAY
	PD441	Inspections, Repairs and Alterations of Pressure Equipment <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	24–25 MAY
	PD496	Preparing for the Project Management Professional Certification Exam	24–25 MAY
	PD577	Bolted Joint Assembly Principles Per PCC-1-2013 <a href="#">ASME STANDARDS COURSE</a>	24–25 MAY

### SAVE THE DATE!

**May 21–25, 2018, Houston, TX**  
**Pressure Vessel & Piping Failures:**  
**Causes, Prevention and Repair**  
**...a Case Study Series**

### LEARN IT RIGHT FROM THE EXPERTS WHO WRITE THE CODES.

Through a series of short courses, each course in this Program examines the fundamentals of a specific damage mechanism, its causes and characteristics, method of inspection to detect damage, and techniques to evaluate the component's fitness-for-service.

### TOPICS INCLUDE:

- Overview: PVP Integrity Assessment and Repair Using ASME/API Codes
- General Metal Loss Corrosion
- Local Thin Areas
- Pitting Corrosion
- Stress Corrosion Cracking
- Flow-Induced Vibration in Pipes
- Waterhammer Damage in Pipes
- Pressure Relief Systems
- High Temp Creep and Creep Fatigue Simulations

To register, visit [go.asme.org/masterclass](http://go.asme.org/masterclass) or contact Jennifer Delda at [deldaj@asme.org](mailto:deldaj@asme.org)

JUNE 2018 – LONDON, UNITED KINGDOM			PUBLIC COURSES – PIPING AND PIPELINES	VISIT: <a href="http://GO.ASME.ORG/LONDON2">GO.ASME.ORG/LONDON2</a>
PUBLIC	PD723	ASME B31.4 and B31.8, Liquids and Gas Pipelines	<a href="#">ASME STANDARDS COURSE</a>	4–6 JUN
	PD642	B31.1 Power Piping Code	<a href="#">ASME STANDARDS COURSE</a>	4–7 JUN
	PD643	B31.3 Process Piping Code	<a href="#">ASME STANDARDS COURSE</a>	4–7 JUN
MASTERCLASS SERIES COURSES – PIPING				VISIT: <a href="http://GO.ASME.ORG/LONDON3">GO.ASME.ORG/LONDON3</a>
MASTER	MC110	Bases and Application of Piping Flexibility Analysis to ASME B31 Codes	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	4–5 JUN
	MC111	Piping Vibration Causes and Remedies - a Practical Approach	<b>TOP SELLER!</b>	6–7 JUN
	MC117	Piping Failures - Causes and Prevention	<b>TOP SELLER!</b>	8 JUN
PUBLIC COURSES – NUCLEAR				VISIT: <a href="http://GO.ASME.ORG/LONDON4">GO.ASME.ORG/LONDON4</a>
PUBLIC	PD389	Nondestructive Examination - Applying ASME Code Requirements (Section V)	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	11–13 JUN
	PD615	Nuclear Piping Systems: BPV Code Section III and B31.1: Design, Integrity-Operability Assessment and Repairs	<a href="#">ASME STANDARDS COURSE</a>	11–13 JUN
	PD633	Overview of Nuclear Codes and Standards for Nuclear Power Plants	<a href="#">ASME STANDARDS COURSE</a>	11–13 JUN
	PD635	ASME NQA-1 Quality Assurance Requirements for Nuclear Facility Applications	<a href="#">ASME STANDARDS COURSE</a>	11–13 JUN
	PD632	Design in Codes, Standards and Regulations for Nuclear Power Plant Construction	<a href="#">ASME STANDARDS COURSE</a>	11–14 JUN
	PD675	ASME NQA-1 Lead Auditor Training		11–14 JUN
	PD192	BPV Code: Section XI: Inservice Inspection of Nuclear Power Plant Components	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	11–15 JUN
	PD684	BPV Code: Section III, Division 1: Rules for Construction of Nuclear Facility Components	<a href="#">ASME STANDARDS COURSE</a>	11–15 JUN
	PD634	Comparison of Global Quality Assurance and Management System Standards Used for Nuclear Application	<a href="#">ASME STANDARDS COURSE</a>	14–15 JUN
JUNE 2018 – HOUSTON, TEXAS USA				VISIT: <a href="http://GO.ASME.ORG/HOUSTON4">GO.ASME.ORG/HOUSTON4</a>
PUBLIC	PD475	The Engineering Manager: Engaging Today's Workforce		18–19 JUN
	PD769	Boiler Operation and Maintenance	<a href="#">ASME STANDARDS COURSE</a>	18–19 JUN
	PD146	Flow-Induced Vibration with Applications to Failure Analysis	<b>TOP SELLER!</b>	11–13 DEC
	PD190	BPV Code, Section IX: Welding, Brazing and Fusing Qualifications	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	18–20 JUN
	PD268	Fracture Mechanics	<b>TOP SELLER!</b>	18–20 JUN
	PD395	API 579/ASME FFS-1 Fitness-for-Service Evaluation	<b>TOP SELLER!</b>	18–20 JUN
	PD665	ASME BPV Code, Section I: Power Boilers	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	18–20 JUN
	PD683	Probabilistic Structural Analysis, Design and Reliability-Risk Assessment		18–20 JUN
	PD685	The Engineering Manager: Engaging Today's Workforce and Strategic Thinking Combo Course (combines PD475 and PD676)	<b>SAVE UP TO \$510!</b>	18–20 JUN
	PD720	Layout of Process Piping Systems		18–20 JUN
	PD763	Centrifugal Pumps: Testing, Design, and Analysis	<b>TOP SELLER!</b>	18–20 JUN
	PD014	B31.3 Process Piping Design	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	18–21 JUN
	PD359	Practical Welding Technology	<b>TOP SELLER!</b>	18–21 JUN
	PD448	BPV Code, Section VIII, Division 2: Design & Fabrication of Pressure Vessels	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	18–21 JUN
	PD771	Boiler Operation and Maintenance with Inspection, Repairs and Alterations Combo Course	<a href="#">ASME STANDARDS COURSE</a> (combines PD769 and PD770) <b>SAVE UP TO \$750!</b>	18–21 JUN
	PD432	Turbo Machinery Dynamics: Design and Operation		18–22 JUN
	PD581	ASME B31.3 Process Piping Design, Materials, Fabrication, Examination and Testing Combo Course	<a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b> (combines PD014 and PD457) <b>SAVE UP TO \$845!</b>	18–22 JUN
	PD686	Layout of Process Piping Systems and Plant Design Using 3D CAD/CAE and Laser Scanning Technology Combo Course	(combines PD720 and PD721) <b>SAVE UP TO \$755!</b>	18–22 JUN



PUBLIC	PD691	Fluid Mechanics, Piping Design, Fluid Transients and Dynamics	18–22 JUN
	PD766	Post Weld Heat Treatments in ASME Codes <a href="#">ASME STANDARDS COURSE</a>	19–20 JUN
	PD676	Strategic Thinking	20 JUN
	PD770	Inspection, Repairs and Alterations of Boilers <a href="#">ASME STANDARDS COURSE</a>	20–21 JUN
	PD457	B31.3 Process Piping Materials Fabrication, Examination & Testing <a href="#">ASME STANDARDS COURSE</a>	21–22 JUN
	PD673	Design and Selection of Heat Exchangers <b>TOP SELLER!</b>	21–22 JUN
	PD721	Plant Design and Project Design Using 3D CAD/CAE and Laser Scanning Technology	21–22 JUN
<b>JUNE 2017 – MILAN, ITALY</b>			<b>VISIT: <a href="http://GO.ASME.ORG/MILAN2">GO.ASME.ORG/MILAN2</a></b>
PUBLIC	PD146	Flow-Induced Vibration with Applications to Failure Analysis <b>TOP SELLER!</b>	18–20 JUN
	PD442	ASME BPV Code, Section VIII, Division 1: Design and Fabrication of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	18–20 JUN
	PD714	BPV Code, Section VIII, Division 2: Alternative Rules for Construction of Pressure Vessels <a href="#">ASME STANDARDS COURSE</a>	18–20 JUN
	PD716	ASME BPV Code, Section 1: Power Boilers <a href="#">ASME STANDARDS COURSE</a>	18–20 JUN
	PD767	Pressure Relief Devices: Design, Sizing, Construction, Inspection and Maintenance	18–20 JUN
	PD616	API 579/ASME FFS-1 Fitness-for-Service Evaluation	18–21 JUN
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	PD441	Inspections, Repairs and Alterations of Pressure Equipment <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	21–22 JUN
<b>MASTERCLASS SERIES COURSES – PRESSURE EQUIPMENT</b>			<b>VISIT: <a href="http://GO.ASME.ORG/MILAN3">GO.ASME.ORG/MILAN3</a></b>
MASTER	MC113	Techniques and Methods Used in API 579-1/ASME FFS-1 for Advanced Fitness-For-Service (FFS) Assessments <a href="#">ASME STANDARDS COURSE</a>	18–19 JUN
	MC127	Bases and Application of Design Requirements for High Pressure Vessels in ASME Code Section VIII, Division 3 <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	18–19 JUN
	MC150	Fracture Mechanics and Other Methods for Fatigue and Fracture Analysis of Pressure Equipment	18–19 APR
	MC151	Design by Rule Requirements in ASME Pressure Vessel Code Section VIII, Division 2 <a href="#">ASME STANDARDS COURSE</a>	18–19 JUN
	MC112	Materials and Design for High Temperatures	20–21 JUN
	MC121	Design by Analysis Requirements in ASME Boiler and Pressure Vessel Code Section VIII, Division 2 – Alternative Rules <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	20–21 JUN
	MC124	Risk-Based Inspection Planning Using ASME and API Standards <a href="#">ASME STANDARDS COURSE</a>	20–21 JUN
	MC123	Fatigue Analysis Requirements in ASME BPV Code Section VIII, Division 2 – Alternative Rules <a href="#">ASME STANDARDS COURSE</a> <b>TOP SELLER!</b>	22 JUN

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BPV Code, Section IX Welding & Brazing Qualifications	EL516
BPV Code, Section VIII, Division 1 Design & Fabrication of Pressure Vessel <b>TOP SELLER</b>	EL501
BPV Code, Section VIII, Division 2: Design & Fabrication of Pressure Vessels <b>TOP SELLER</b>	EL502
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Design of Buried High Density Polyethylene (HDPE) Pipe	EL544
FE Review	EL537
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Essentials – BPV Code, Section IX: Welding & Brazing Qualifications	ZABC18
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Aspectos Esenciales del Código ASME B31.1 de Tuberías de Potencia <b>NUEVO!</b>	ZABC79

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Análisis de Fallas Mecánicas en Equipos Mineros	ZI648
Análisis Vibracional en Equipos Rotativos y Mantenimiento Predictivo - Nivel I	ZI510
Código ASME B 31.1 Tuberías de Vapor y Sistemas de Potencia	ZI520
Código ASME B 31.3 Tuberías de Proceso de Refinerías y Plantas Químicas	ZI570
Código ASME B 31.4 Tuberías de Transporte de Hidrocarburos Líquidos y Otros Líquidos	ZI590
Código ASME B 31.8 Tuberías de Transporte y Distribución de Gas	ZI580
Código ASME Sección IX - Soldadura: Desarrollo y Calificación de Procedimientos y Soldadores	ZI540
Código ASME Sección VIII Div. 1 Diseño, Construcción e Inspección de Tanques y Recipientes de Presión	ZI511
Curso de Preparación para Examen de Certificación en Dimensiones y Tolerancias Geométricas	ZI638
El Análisis de Riesgos y las Tecnologías del Mantenimiento Predictivo	ZI649
Ensayo de Performance de Calderas Industriales según ASME PTC 4-2008	ZI657
Gerencia de Proyectos de Mantenimiento	ZI644
Gerencia de Proyectos para Ingenieros, Profesionales y Técnicos	ZI620
Gestión de Integridad de Recipientes, Calderas y Tuberías a Presión	ZI512
Gestión y Optimización de Inventarios en Mantenimiento	ZI647
Inspección Basada en Riesgo I - Un Sistema Integrado de Análisis de Riesgo, Aptitud para el Servicio y Análisis de F	ZI514
Inspección Basada en Riesgo II	ZI621
Introducción a la Tecnología de Soldadura	ZI515
Introducción a las Normas y Códigos para el Mantenimiento de Recipientes, Calderas y Tuberías	ZI513
Mantenimiento Centrado en Confiabilidad - MCC	ZI550
Mantenimiento Productivo Total (TPM)	ZI635
Operación y Mantenimiento de Calderas Industriales	ZI659
Optimización Energética de Sistemas de Aire Comprimido bajo el estándar ASME EA 4-2010	ZI656
Seguridad Operativa en el Manejo de Equipos de Izajes	ZI641
Selección y Cálculo de Dispositivos de Alivio de Presión según ASME I, VIII y PTC 25	ZI658
Sistema de Extracción por Bombeo Electrosumergible (BES)	ZI655

Sistemas de Alivio y Venteo, Selección de Válvulas de Seguridad y Alivio según API 521 & 520	ZI642
Soldadura de Oleoductos, Gasoductos y Otras Tuberías según API 1104	ZI600

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ASME B31.8 – Sistemas de Tubulação de Distribuição e Transmissão de Gás	ZABC62
Fundamentos sobre o Código ASME B31.3 Tubulação de Processo	ZABC61
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