A Complete Introduction to Bone Plating

September 8-10, 2025

CSUVetCE
COLORADO STATE UNIVERSITY

Online Pre-Course Assignments

Please complete all pre-course content before the in-person session

☐	How to Describe a Fracture – 18 Minutes
☐	How Bones Heal – 25 Minutes
☐	Fracture Assessment Step 1: Classify the Fracture – 19 Minutes
☐	Fracture Assessment Step 2: Fracture Case Assessment Score (FCAS) – 44 Minutes
☐	Bone Screws: Design, Use & Technique – 26 Minutes
☐	Functional Methods of Bone Plating – 24 Minutes
☐	How to Contour a Bone Plate – 22 Minutes
☐	Conventional vs. Locking Plates – 25 Minutes
☐	Methods of Interfragmentary Compression – 25 Minutes
☐	Bone Grafting Made Simple: When & How – 19 Minutes
☐	The 4 A's of Orthopedic Radiograph Review – 16 Minutes
☐	Strategies to Reduce Orthopedic SSI's – 25 Minutes
☐	Draping for Femoral Fracture Repair & Cancellous Bone Grafting – 19 Minutes

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Please complete all pre-course content before the in-person session

Day 1: Monday, September 8th

		Location
7:30am	Catered Breakfast & Welcome	*Lounge*
8:00am	Introduction, Course Overview & Learning Objectives – Dr. Palmer	*Lecture Hall*
8:25am	Clinical Case Example – Dr. Palmer	*Lecture Hall*
8:50am	**Dry Lab 1:** Power Drills, Drilling Technique, Screw Insertion Technique	*CE Lab*
9:50am	Break	*Lounge*
10:05am	Introduction to Compression Locking Plates	*Lecture Hall*
10:30am	**Dry Lab 2:** Compressing a Reducible Transverse Fracture	*CE Lab*
12:00pm	Catered Lunch - *Change Into Scrubs*	*Lounge*
12:45pm	Common Reducible Radius/Ulna Fractures	*Lecture Hall*
1:10pm	**Wet Lab 1:** Reducible, Transverse Distal Radius/Ulna Fracture	*CE Lab*
3:15pm	Optional Break	*Lounge*
3:30pm	Non-Reducible Radius/Ulna Fractures	*Lecture Hall*
3:55pm	**Wet Lab 2:** Non-Reducible, Mid-Diaphyseal Radius/Ulna Fracture	*CE Lab*
5:55pm	Homework: Review online vPOP Planning Demo, Load vPOP & plan case	*Lecture Hall*
6:00pm	End of Day 1	

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Day 2: Tuesday, September 9th

		Location
7:30am	Catered Breakfast	*Lounge*
8:00am	Radiographic Review Session of Radius/Ulna Wet Lab 1 & 2	*Lecture Hall*
9:00am	Neutral Plate & Cerclage Fixture of Long Oblique/ Spiral Tibial Fractures	*Lecture Hall*
9:25am	Break - *Change Into Scrubs*	*Lounge*
9:40am	**Dry Lab 3:** Reducible, Long Oblique Tibial Diaphyseal Fracture	*CE Lab*
10:45am	**Wet Lab 3:** Reducible, Long Oblique Tibial Diaphyseal Fracture	*CE Lab*
12:15pm	Catered Lunch	*Lounge*
1:00pm	Plate and Fixation of Non-Reducible, Tibial Diaphyseal Fractures	*Lecture Hall*
1:25pm	**Dry Lab 4:** Non-Reducible Tibial Diaphyseal Fracture with Bridging Plate & Rod Technique	*CE Lab*
2:30pm	**Wet Lab 4:** Non-Reducible Tibial Diaphyseal Fracture with Bridging Plate & Rod Technique	*CE Lab*
4:00pm	**Wet Lab 5:** Autogenous Cancellous Bone Graft Harvest & Placement in Tibial Fracture	*CE Lab*
4:45pm	Femur Shaft Fractures (Reducible v. Non-Reducible)	*Lecture Hall*
5:10pm	Pre-op Planning & vPOP Demo/Interactive Exercise	*Lecture Hall*
5:50pm	Take-home Points & Lessons From Day 2	*Lecture Hall*
6:00pm	End of Day 2	

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Day 3: Wednesday, September 10th

		Location
7:30am	Catered Breakfast - *Change Into Scrubs*	*Lounge*
8:00am	Radiographic Review Session of Tibia Wet Lab 3 & 4	*Lecture Hall*
9:00am	**Wet Lab 6:** (with 20-min Demo) Non-Reducible Femur Fracture	*CE Lab*
11:00am	**Wet Lab 7:** Contralateral Femur: Compression Plate, Neutralization Plate & Interfragmentary Cerclage Wire or IM Pin & Bridge Plate	*CE Lab*
12:45pm	Catered Lunch	*Lounge*
1:30pm	Clinical Case Examples for Key Points, Pain Management, Convalescent Care & Radiographic Monitoring	*Lecture Hall*
2:30pm	Conclusion of Course	

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