

**Imperial Valley College
Paramedic Training Program
2013 - Class 21 Didactic Schedule – EMTP 210**

Date	Day	Rm	Time	Topic	Instructor	Assignments
1 3/4/13	M	3400	0900-1200 1300-1635	<p><u>Didactic 2-Division 4 A: Trauma</u> Volume 5 Chapter 1: Trauma and Trauma Systems</p> <ol style="list-style-type: none"> 1. Introduction to trauma and trauma care 2. Trauma 3. Trauma as a disease 4. Trauma care system 5. Trauma center designation 6. Your role as a paramedic <p>Volume 5 Chapter 2: Blunt Trauma</p> <ol style="list-style-type: none"> 1. Introduction to blunt trauma 2. Kinetics of impact 3. Biomechanics of trauma 	Goldsberry	PC Text Volume 5 Ch 1 pp 1-15 IC POLICIES: Section 8800 (all) 9270 PC Text Volume 5 Ch 2 pp 16-43
3/5/13	T	3400	0900-1000	<p>Quiz: Vol 5 Ch 1 & 2</p> <p><u>Volume 5 Chapter 3: Penetrating Trauma</u></p> <ol style="list-style-type: none"> 1. Introduction to penetrating trauma 2. Kinetics of penetrating trauma 3. Specific tissue/organ injuries 4. Special concerns with penetrating trauma <p><u>Volume 5 Chapter 4: Hemorrhage and Shock</u></p> <ol style="list-style-type: none"> 1. Introduction to hemorrhage and shock 2. Hemorrhage 3. Shock 4. Hemorrhage and shock assessment 5. Hemorrhage and shock management <p><u>Medication: Normal Saline</u> Take home quiz for today's lectures due next class</p>	Goldsberry	PC Text Volume 5 Ch 3 pp 44-58 PC Text Volume 5 Ch 4 pp 59-89 Medication Sheet
3/7/13	Th	3400	0900-0930 1300-1635	<p>Quiz: <u>Normal Saline</u></p> <p><u>Volume 5 Chapter 5: Soft-Tissue Trauma</u></p> <ol style="list-style-type: none"> 1. Introduction to soft-tissue trauma 2. Anatomy of the soft tissues 3. Pathophysiology of soft-tissue injuries 4. Dressing and bandage materials 5. Assessment of soft-tissue injuries 6. Management of soft-tissue injuries <p><u>Volume 5 Chapter 6: Burn Trauma</u></p> <ol style="list-style-type: none"> 1. Introduction to burn trauma 2. Anatomy and physiology of the skin 3. Burn pathophysiology 4. Assessment of thermal burns 5. Management of thermal burns 6. Assessment and management of electrical, chemical and radiation injuries <p><u>Medication: Morphine (KNOW IT by Monday)</u></p>	Goldsberry	PC Text Volume 5 Ch 5 pp 90-120 PC Text Volume 5 Ch 6 pp 121-148 Drug Sheet
3/8/13	F	3400	0900-1000 1000-1200	<p>Quiz: Vol 5 Ch 5 & 6</p> <p><u>Volume 5 Chapter 7: Orthopedic Trauma</u></p> <ol style="list-style-type: none"> 1. Introduction to musculoskeletal trauma 2. Prevention strategies 3. Musculoskeletal anatomy and physiology 	Goldsberry	PC Text Volume 5 Ch 7 pp 149-186

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			1300-1635	4. Musculoskeletal Pathophysiology 5. Musculoskeletal injury assessment 6. Musculoskeletal injury management <u>Volume 5 Chapter 8: Thoracic Trauma</u> 1. Introduction to Thoracic 2. Thoracic anatomy and physiology 3. Pathophysiology of thoracic trauma 4. Assessment of the chest injury patient 5. Management of the chest injury patient		PC Text Volume 5 Ch 8 pp 187-214
2 3/11/13	M	3400	0900-1030 1030-1215	Quiz: Vol 5 Ch 7 & 8 --- Morphine quiz <u>Volume 5 Chapter 9: Abdominal Trauma</u> 1. Introduction abdominal trauma 2. Abdominal anatomy and physiology 3. Pathophysiology of abdominal trauma 4. Assessment of the abdominal trauma patient 5. Management of the abdominal trauma patient	Goldsberry	PC Text Volume 5 Ch 9 pp 215-236
			1315-1635	<u>Volume 5 Chapter 10: Head, Face, Neck and Spinal Trauma</u> 1. Introduction to head, face, neck and spinal trauma 2. Head, face, neck and spinal column anatomy and physiology 3. Head, face, neck an spinal column pathophysiology 4. Assessment of head, face, neck and spinal column injury 5. Head, face neck and spinal column injury management 6. Moving the spinal injury patient 7. Medications 8. Transport considerations 9. Emotional support 10. Special injury care		PC Text Volume 5 Ch 10 pp 237-281
3/12/13	T	3400	0900-1000	Quiz: Vol 5 Ch 9 & 10 <u>Volume 5 Chapter 11: Nervous System Trauma</u> 1. Introduction to nervous system trauma 2. Pathophysiology of brain injury 3. Pathophysiology of spinal cord injury 4. Assessment of the central nervous system injury patient 5. Management of the central nervous system injury patient	Goldsberry	PC Text Volume 5 Ch 11 pp 282-314
			1300-1600	<u>Volume 5 Chapter 12: Environmental Trauma</u> 1. Introduction 2. Pathophysiology of heat and cold disorders 3. Heat disorders 4. Cold disorders 5. Drowning 6. Diving emergencies 7. High altitude illness		PC Text Volume 5 Ch 12 pp 315-344

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			1600-1635	<p>Volume 5 Chapter 13: Special Considerations in Trauma</p> <ol style="list-style-type: none"> 1. Shock Trauma resuscitation 2. Injury Prevention 3. Trauma assessment 4. Shock/Multisystem trauma resuscitation 5. Interaction with other care providers 6. Air medical transport 7. Research and trauma <p>Introduction to Simulations Discussion: Trauma Simulation Assignments Take Home Quiz for today's Lectures</p>		<p>PC Text Volume 5 Ch 13 pp 345-378</p> <p>Simulation assignments</p>
3/14/13	Th	3400	0900-1200 1300-1635	<p>Skills Lab:</p> <ol style="list-style-type: none"> 1. Assessment of the trauma patient 2. Glasgow Coma Scale 3. BLS skills <ol style="list-style-type: none"> a. Traction splints b. KED c. Supine patient immobilization d. Standing patient immobilization e. Needle decompression of tension pneumo 4. Intubation of the trauma patient <ol style="list-style-type: none"> a. Cervical spine immobilization b. "Icepick" intubation in the entrapped patient 5. Control of hemorrhage and fluid resuscitation <p>Review for Division 4A Exam</p>		<p>Skills books</p> <p>Study Guide</p>
3/15/13	F	3400	0800-1635	<p><u>Desert Rescue at Glamis</u> <u>Meet Steve at north end of the student parking lot.</u> <u>Bring your hat, sun screen, lunch, water</u></p>	Holt With BLM Rangers and Reach	
4 3/18/13	M		0900-1635	Trauma Simulations	Goldsberry adjunct	
3/19/13	T		0900-1635	Trauma Simulations	Goldsberry adjunct	
3/21/13	Th	3400	0900-1230 1330-1635	<p>Division 4A Exam Division 4B: Medicine Volume 4 Chapter 1: Pulmonology</p> <ol style="list-style-type: none"> 1. Review of respiratory anatomy & physiology 2. Pathophysiology 3. Assessment of the respiratory system 4. Management of respiratory disorders 5. Specific respiratory diseases <p>Medication: Albuterol & Epinephrine 1:1000</p>	Goldsberry	<p>PC Text Vol 4 Ch 1 pp 1-44 IC POLICY: 9240</p> <p>Medication sheet</p>
3/22/13	F	3400	0900-1000 1000-1200 1300-1635	<p>Quiz: Vol 4 Ch 1 & Albuterol & Epinephrine 1:1000 Volume 4 Chapter 2: Cardiology Part 1:</p> <ol style="list-style-type: none"> 1. Cardiovascular A & P 2. Electrophysiology 3. Electrical conduction system 4. Electrocardiographic monitoring 5. Analysis and interpretation of the ECG: 	Goldsberry	<p>PC Text Vol 4 Ch 2 pp 45-68</p> <p>Beasley Text: Ch 1-6</p>

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Date	Day	Rm	Time	Topic	Instructor	Assignments
				Systematic approach Medication: Epinephrine 1:10,000 Simulation assignments		Handouts Medication Sheet
5 3/25/13	M	3400	0900-1030 1030-1200 1300-1635	Quiz: PC Vol 4 Ch 2 Part 1 & Beasley Ch 1-6 & Epinephrine 1:10,000 <u>Volume 4 Chapter 2: Cardiology Part 1:</u> 1. Sinus and atrial rhythms 2. Junctional rhythms 3. Rhythm practice Medication: Atropine Sulfate	Goldsberry	PC Text Vol 4 Ch 2 pp 69-90 Beasley Text: Ch 7-9 Handouts Medication Sheet
3/26/13	T	3400	0900-1000 1000-1200 1300-1635	Quiz: PC Vol 4 Ch 2 & Beasley Ch 7-9 & Atropine <u>Volume 4 Chapter 2: Cardiology Part 1:</u> 1. AV Heart blocks 2. Ventricular dysrhythmias 3. PEA 4. Rhythm practice Medications: Lidocaine & Aspirin	Goldsberry	PC Text Vol 4 Ch 2 pp 82-90 Beasley Text: Ch 10-11 Handouts Medication Sheets
3/28/13	Th	3400	0900-1000 1000-1200 1300-1635	Quiz: PC Vol 4 Ch 2 & Beasley Ch 10-11 & Lidocaine & Aspirin <u>Volume 4 Chapter 2: Cardiology Part 1:</u> 1. Artificial pacemakers 2. Arrhythmias resulting from disorders of conduction 3. ECG changes due to electrolyte abnormalities and hypothermia 4. ECG changes seen in the evolution of acute myocardial infarction 5. Rhythm Practice Medication: Morphine (Review only) & Adenosine	Goldsberry	Beasley Text: Ch 12 Handouts IC POLICIES: 9180, 9181, 9183-9186 Medication Sheets
3/29/13	F	3400	0900-1000 1000-1200 1300-1635	Quiz: Beasley Ch 12 & Adenosine <u>Volume 4 Chapter 2: Cardiology Part 2:</u> Assessment and Management of the CV Patient 1. Assessment of the cardiovascular patient 2. Management of the cardiovascular patient 3. Management of specific cardiovascular emergencies <u>Volume 4 Chapter 2: Cardiology Part 3:</u> Acquisition of 12 lead ECG 1. Prehospital 12 lead monitoring 2. Lead placement 3. 12-lead Practice Medications: Nitroglycerin & Dopamine HCl. Quiz 4/8/13 Take Home Quiz for today's lectures Due 4/8/13 Distribute ACLS Provider manuals to interns	Goldsberry	PC Text Vol 4 Ch 2 pp 102-143 Beasley Text: Ch 13 Handouts IC POLICIES: 7100,7900, 9160,9170,9240 PC text Vol 4 Ch 2 pp 167-174 Medication Sheets

Spring Break – NO SCHOOL April 1-5

Don't be like previous class and forget how to study. (Don't forget quizzes on the 8th, that should help you keep studying)

Don't do anything stupid on your break - I want to see you back healthy and ready to go on 4/8/13

Have a good break!!!

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6 4/8/13	M	3400	0900-1000 1000-1200 1300-1635	Quiz: Nitroglycerine & Dopamine 1. Rhythm analysis and identification practice 2. Static rhythms 3. Dynamic rhythms 4. Review of respiratory & cardiac meds Skills Lab: 1. Vagal Maneuvers 2. Defibrillation & Synchronized Cardioversion 3. Transcutaneous Pacing 4. 12-lead EKG acquisition Medications: Verapamil	Goldsberry	Medication Sheets Medication Sheet
4/9/13	T	3400	0900-1000 1000-1200	Quiz: Verapamil <u>Volume 4 Chapter 3: Neurology</u> 1. Introduction to neurology 2. Anatomy and physiology of the peripheral and central nervous systems 3. Pathophysiology 4. General assessment findings 5. Management of specific nervous system emergencies Medication: Calcium Chloride	Goldsberry	PC Text Vol 4 Ch 3 pp 179-217 IC POLICY: 9130 Medication Sheet
4/11/13	Th	3400	0900-1000 1000-1200 1300-1635	Quiz: Vol 4 Ch 3 & Calcium Chloride <u>Volume 4 Chapter 4: Endocrinology</u> 1. Introduction to endocrinology 2. Anatomy and physiology 3. Endocrine disorders and emergencies Medication: Dextrose 50%	Goldsberry	PC Text Vol 4 Ch 4 pp 218-240 IC POLICY: 9130 Medication Sheet
4/12/13	F	3400	0900-0930 0930-1200 1300-1635	Quiz: Vol 4 Ch 4 & Dextrose 50% <u>Volume 4 Chapter 5: Immunology</u> 1. Introduction to immunology 2. Pathophysiology 3. Assessment findings in anaphylaxis 4. Management of anaphylaxis 5. Assessment findings in allergic reaction 6. Management of allergic reactions 7. Patient education ECG rhythm review with scenarios Medication: Diphenhydramine & Sodium Bicarbonate	Goldsberry Holt	PC Text Vol 4 Ch 5 pp 241-253 IC POLICY: 9120 Medication Sheets
7 4/15/13	M	3400	0900-1030 1030-1200	Quiz: Vol 4 Ch 5 & 6 – Diphenhydramine & NaHCO3 <u>Volume 4 Chapter 6: Gastroenterology</u> 1. Introduction 2. General pathophysiology, assessment and treatment 3. Specific illnesses	Goldsberry	PC Text Vol 4 Ch 6 pp 254-275 IC POLICY: 9100 PC Text

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			1300-1635	<p><u>Volume 4 Chapter 7: Urology and Nephrology</u></p> <ol style="list-style-type: none"> 1. Introduction 2. Anatomy and physiology 3. General mechanisms of non-traumatic tissue problems 4. General pathophysiology, assessment & management 5. Renal and urologic emergencies <p>Medication: Ondansetron</p>		<p>Vol 4 Ch 7 pp 276-297</p> <p>Medication Sheet</p>
4/16/13	T	3400	0900-1000 1000-1200 1300-1635	<p>Quiz: Vol 4 Ch 6 & 7 & Ondansetron</p> <p><u>Volume 4 Chapter 8: Toxicology & Substance Abuse</u></p> <ol style="list-style-type: none"> 1. Introduction 2. Epidemiology 3. Poison Control centers 4. Routes of toxic exposure 5. General principles of toxicologic assessment and management 6. Ingested toxins 7. Inhaled toxins 8. Surface absorbed toxins 9. Specific toxins 10. Injected toxins 11. Substance abuse & overdose 12. Alcohol abuse <p>Medication: Naloxone & Activated Charcoal</p>		<p>PC Text Vol 4 Ch 8 pp 298-339</p>
4/18/13	Th	3400	0900-1030 1030-1200 1300-1635	<p>Quiz: Vol 4 Ch 7 & 8 & Naloxone & Activated Charcoal</p> <p><u>Volume 4 Chapter 9: Hematology</u></p> <ol style="list-style-type: none"> 1. Anatomy, physiology & pathophysiology 2. General assessment and management 3. Managing specific patient problems <p><u>Volume 4 Chapter 10: Infectious Diseases & Sepsis</u></p> <ol style="list-style-type: none"> 1. Introduction 2. Public health principles 3. Microorganisms 4. Contraction, transmission and stages of disease 5. The body's defenses against disease 6. Infection control in Prehospital care 7. Assessment of the patient with infectious disease 8. Specific infectious diseases 9. Patient education 10. Sepsis/Systemic Inflammatory Response Syndrome (SIRS) <p>Medications: Diphenhydramine</p>		<p>PC Text Vol 4 Ch 9 pp 340-360</p> <p>PC Text Vol 4 Ch 10 pp 361-404</p> <p>Medication Sheet</p>
4/19/13	F	3400	0900-1030 1030-1200	<p>Quiz: Vol 4 Ch 9 & 10 & Diphenhydramine</p> <p><u>Volume 4 Chapter 11: Psychiatric and Behavioral Disorders</u></p> <ol style="list-style-type: none"> 1. Introduction 2. Behavioral emergencies 3. Pathophysiology of psychiatric disorders 		<p>PC Text Vol 4 Ch 11 pp 405-423</p>

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			1300-1635	4. Assessment of behavioral emergency patients 5. Specific psychiatric disorders 6. Management of behavioral emergencies 7. Violent patients and restraint <u>Volume 4 Chapter 12: Disease of the Eyes, Ears, Nose and Throat (EENT)</u> 1. Introduction 2. Eyes 3. Ears 4. Nose 5. Throat Medication: Midazolam		PC Text Vol 4 Ch 12 pp 424-442 Medication Sheet
8 4/22/13	M	3400	0900-1000 1000-1200 1300-1635	Quiz: Vol 4 Ch 11 & 12 & Midazolam <u>Volume 4 Chapter 13: Nontraumatic Musculoskeletal Disorders</u> 1. Introduction 2. Anatomy & physiology review 3. Assessment and findings 4. Nontraumatic musculoskeletal conditions Medication: Glucagon		PC Text Vol 4 Ch 13 pp 443-458 Medication Sheet
4/23/13	T	3400	0900-0930 0930-1200 1300-1635	Quiz: Vol 4 Ch 13 & Glucagon Skills Lab: 1. Vagal Maneuvers 2. Defibrillation & Synchronized Cardioversion 3. Transcutaneous Pacing 4. 12-lead EKG acquisition 5. Oxygen administration and ventilation via cannula, simple mask, partial non-rebreather mask, BVM, airway adjuncts: OPA, NPA, King Airway, Combitube, oral endotracheal intubation 6. Rhythm Review & Practice (static and dynamic) Simulation assignments	Goldsberry & 2 adjunct faculty	Skills Book
4/25/13	Th	TBA	0830-1635	ACLS Day 1 Learning stations Skills practice	Goldsberry & 3 Adjunct Faculty	AHA ACLS Provider manual
4/26/13	F	TBA	0830-1500	ACLS Day 2 Putting it all together Testing stations and written test	Goldsberry & 3 Adjunct Faculty	AHA ACLS Provider manual
9 4/29/13	M	3400	0900-1200 1300-1635	Student Medical Simulations	Goldsberry & 1 adjunct	
4/30/13	T	3400	0900-1200 1300-1635	Student Medical Simulations	Goldsberry & 1 adjunct	
5/1/13	Th	3400	0900-1200 1300-1635	Student Medical Simulations	Goldsberry & 1 adjunct	
5/2/13	F	3400	0900-1200 1300-1635	IC EMS Documentation Electronic PCR's Review for Didactic 2 Final	Ceseña IC EMS Manager	Study Guide

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10 5/6/13	M	3400	0900-1200 1300-1635	Student Medical Simulations	Goldsberry & 1 adjunct	
5/7/13	T	3400	0900-1200 1300-1635	Student Medical Simulations	Goldsberry & 1 adjunct	
5/9/13	Th	3400	0900-1230	Didactic 2 Final Exam Intern Evaluations	Goldsberry	
5/10/13	Your reward for the hard work you've done is an extra day off of summer break (No thanks required, you earned it if you are still here)					
<p><u>Didactic 2 is DONE!!!</u> Now you can take a break... We start Didactic 3 on Monday, May 20th See you then...</p>						