

Paramedic Education Program Course Schedule/Syllabus

Proposed time schedule—subject to change!!!

Lecture day

Must have 400 minutes of lecture and 140 minutes of break

8:00 – 9:10 (70 min)
 Break 9:10 – 9:30 (20 min.)
 9:30 – 10:40 (70 min)
 Break 10:40 – 10:55 (15 min.)
 10:55 – 11:55 (60 min)
 Lunch 11:55 – 1:05p (1 hr 10 min)
 1:05p – 2:15 (70 min)
 Break 2:15p – 2:35p (20 min)
 2:35 – 3:45 (70 min)
 Break 3:45 – 4:00pm (15 min)
 4:00 – 5:00 (60 min)

Lab Days

8:00 – 9:20 (1 hr 20 min)
 Break 9:20 – 9:40 (20 min)
 9:40 – 11:00 (1hr 20 min)
 Break 11 – 11:20 (20 min)
 11:20 – 12:40 (1 hr 20 min)
 Break 12:40 – 1:50 (1 hr 20 min)
 1:50 – 3:10 (1 hr 20 min)
 Break 3:10 – 3:30 (20 min)
 3:30 – 4:50 (1hr 20 min)

Fall Quarter (EMT-P 100A)**Session #1** – September 22nd, Monday**Lecture:**

Course introduction – Introduce Charlie McKellar (amenities for students), Ben, Mary, Karlene, Marilyn

History of EMS (Video)

Roles & Responsibilities of EMT-P (Mosby's Ch. 1)

Diagnostic Signs: (handouts)

Orthostatic VS

Palpated BP

Location of pulse points

Blood pressures

Skin Signs

Skin Turgor

Pulse Pressure

Capillary Refill

Conjunctiva

Communication (Mosby's Ch. 16)

The Well-Being of the Paramedic (Mosby's Ch. 2)

Injury Prevention (Mosby's Ch. 3)

Medical Terminology (Handout)

Ben and Mary: [Blood Pressure, Location of Pulses, Skin Signs (1/1)]

Session #2 – September 24th, Wednesday

Lecture:

Surface Anatomy (Mosby's pp. 103 – pp. 106)

Legal (Mosby's Ch 4 & 5)

Human Systems (Mosby's Ch. 6)

Special Senses (Scanlon & Sanders Ch 9)

Ben and Mary: [Insertion of NPA, OPA, BVM, Auscultation of LS (1/3)]

Session #3 –September 29th, Monday

Test: Quiz from Material of Session 1

Lecture:

Principles of Cellular Anatomy & Physiology

Cellular Fluids and Electrolytes

Acid-Base Balance

(Mosby's Ch. 7, Scanlon Ch. 1, 2, 3, 19)

Ben and Mary: [Insertion of NPA, OPA, BVM, Auscultation of LS (2/3)]

Reading Assignment:

Session #4 – October 1st, Wednesday

Test: Quiz of Material from Session 2

Lecture:

(Scanlon Ch. 4)

Musculoskeletal and Integumentary System A&P (Scanlon Ch. 5, 7, 6)

Ben and Mary: [Insertion of NPA, OPA, BVM, Auscultation of LS (3/3 final) practice test with Ben and Mary in preparation for more difficult labs]

BLS suction (1/3), IV set up/pressure infuser set up (1/1)

Reading Assignment:

Session #5 – October 6th, Monday

Test: Quiz from Material of Session 3

Lecture:

Nervous System (A&P) (Scanlon Ch. 8)

Ben and Mary:

BLS suction (2/3)

Session #6 – October 8th, Wednesday

Test: Quiz from Material of Session 4

Lecture:

Respiratory System (A&P) (Scanlon Ch. 15)
Endocrine (A&P) (Scanlon Ch. 10)

Session #7 – October 13th, Monday

Test: Quiz from Material of Session 5

Lecture:

Cardiovascular System (A&P) (Scanlon Ch. 12, 13, 11)

Ben and Mary: [BLS suction 3/3 – final/practice test with Mary and Ben in preparation for more difficult skills]

Session #8 – October 15th, Wednesday

Test: Quiz from Material of Session 6

Lecture:

GI/GU (Scanlon 16)

Reproductive Systems A&P (Scanlon 20, 18)

Basic Airway and Breath Sounds (Mosby's pp. 361 – 403)

Session #9 – October 20th, Monday

Test: Quiz from Material of Session 7

Lecture:

Advanced Airway (Mosby's 403 – 427)
Airway Cam Videos

(consider intro to respiratory bag and equipment)

Session #10 – October 22nd, Wednesday

Test: Quiz from Material of Session 8 except for Basic Airway material

Labs:

1. Patient Assessment Trauma - Level 1 (1/3)
2. NR Ventilatory Management Adult (1/4)
3. Tracheal Suctioning (1/3)
4. Foreign Body Obstruction Removal w/ Magill Forceps (1/3)
5. NR Seated Spinal Immobilization (1/3)

Session #11 – October 27th, Monday

Test: Module 1 (Sessions 1 – 8)

Lecture:

Introduction to patient assessment (Mosby's 12, 13, 14)

Principles of Shock-MAST (Mosby's 19)

Ben and Mary: Respiratory bag inventory/Introduction to respiratory equipment

Session #12 – October 29th, Wednesday**Test: Quiz from Material of Session 9**

Labs

1. Patient Assessment Trauma - Level 1 (2/3)
2. NR Adult Ventilatory Management (2/4)
3. Tracheal Suctioning (2/3)
4. NR Seated Spinal Immobilization(2/3)
5. NR Lying Spinal Immobilization (1/3)

Session #13 – November 3rd, Monday**Test: Module Two (Basic and Advanced Airway)****Lecture:**

Intro to Pharmacology (pp. 305 – 313)

Equivalents and Conversions

Metric system

lbs to kg, grams, milligrams, micrograms, milliequivalents, volume
(consider fluid over time)

Ben and Mary:

Assembling of Pre-filled Syringes (1/3)

Drawing up Meds from a Vial (1/3)

Drawing Up Meds from an ampule (1/3)

Session #14 – November 5th, Wednesday**Test:** Quiz of Patient Assessment only**Lecture:**

Review metric system
Equivalents and Conversions
Fluid over time

Ben and Mary: IM and SQ injections into an orange or mannequin (1/4)
(consider respiratory bag check out 2)

Session #15 – November 12th, Wednesday

Test: Quiz of Shock only

Equivalents and Conversions – IVP/IM/SQ

Ben and Mary: IM and SQ injections: students to inject each other (2/4)

Session #16 – November 17, Monday

Test: Module Three Patient Assessment & Shock

Labs:

1. Patient Assessment Trauma - Level 1 (3/3)
2. NR Ventilatory Management Adult (3/4)
3. Patient Assessment Trauma - Level 2 (1/3)
4. NR Seated Spinal Immobilization (3/3)
5. NR Lying Spinal Immobilization (2/3)
box method, spider, 9 foot straps

Session #17 – November 19, Wednesday

Test: Quiz from Material of Session 13

Lecture:

Equivalents and Conversions

Piggyback medication administration

Parenteral Medication Administration (can do this today or session 19)

(Mosby's 315 -343)

IV therapy (can do this today or session 19)

Ben and Mary: Assembling of Pre-filled Syringes (2/3)

Drawing up Meds from a Vial (2/3)

Drawing Up Meds from an ampule (2/3)

Session #18 – November 24, Monday**Test: Quiz From Material of Session 15**

Lab

1. Patient Assessment Trauma - Level 2 (2/3)
2. NR Adult Ventilatory Management (4/4)
3. Piggyback Medication Administration (1/4)
4. Tracheal Suctioning (3/3)
5. NR Lying Spinal Immobilization (3/3)

Session #19 – November 26, Wednesday

Test: Quiz from Material of Session 17

Lecture:

Equivalents and Conversions all equations - review

Parenteral Medication Administration (if this hasn't been done on session 17)

Introduction to Intravenous Therapy (if this hasn't been done on session 17)

Ben and Mary: Transtracheal Medication Administration

Check out Respiratory Bag

Session #20 December 1, Monday**Labs: Module Four (All equations)**

1. Patient Assessment Trauma - Level 2 (3/3)
2. Frontal Intubation (1/3)
3. Foreign Body Obstruction Removal Using Magill Forceps (2/3)
4. Piggyback Medication Administration (2/4)
5. IV Saline Lock - mannequin (1/3)

Session #21 – December 3, Wednesday**Labs:**

1. Patient Assessment Trauma - Level 3 (1/3)
2. Frontal Intubation (2/3)
3. Foreign Body Obstruction (3/3)
4. Identification of Pleural Decompression Site/Pleural decompression (1/4)
5. IV Saline Lock - mannequin (2/3)

Session #22 – December 8, Monday**Labs:**

1. Patient Assessment Trauma - Level 3 (2/3)
2. Frontal Intubation (3/3)
3. Identify Sites For Pleural Decompression/Pleural Decompression (2/4)
4. Piggyback Medication Administration (3/4)
5. IV Saline Lock – mannequin (3/3)

Session #23 – December 10, Wednesday**Labs:**

1. Patient Assessment Trauma - Level 3 (3/3)
2. Identify Cricothyroid Membrane/Cricothyroidotomy (1/4)
3. Piggyback Medication Administration (4/4)
4. IV Saline Lock – live (1/3)
5. Identify Pleural Decompression Sites/Pleural Decompression (3/4)

December 15, 2003, Monday
Prehospital Trauma Life Support (PHTLS) – Provider Course (Day 1)
with Basic Trauma Life Support patient assessment

December 17, 2003, Wednesday

Prehospital Trauma Life Support (PHTLS) – Provider Course (Day 2)
with Basic Trauma Life Support patient assessment

End of Fall Quarter

No school from December 18– January !!!! (18 days off—for the students)

Winter Quarter (EMT -P 100B)

Session #24 January 5, 2004 - Monday

Lecture:

Drugs Affecting the Autonomic Nervous System
Epinephrine/Atropine/Dopamine

Ben and Mary:

Pharmacology Lab:
Assembling of Pre-filled Syringes (3/3)
Drawing up Meds from a Vial (3/3)
Drawing Up Meds from an ampule (3/3)

Session #25 January 7, 2004 - Wednesday

Test:

1. Digital Intubation (1/3)
2. Identify Cricothyroid Membrane/Cricothyroidotomy (2/4)
3. External Jugular Vein Cannulation Demonstation (1/3)
4. IV Saline Lock – Live (2/3)
5. Identify Sites For Pleural Decompression/Pleural Decompression (4/4)

Session #26 January 12, 2004 - Monday

Test:

Lecture:

Cardiovascular Emergencies

C.V. Pharmacology (NTG, Furosemide, ASA, Thrombolytics, Morphine Sulfate)

Ben and Mary:

pharmacology lab (2)

topical route

sublingual route

Session #27 January 14, 2004 - Wednesday

Test:

1. Identify Cricothyroidotomy Sites/Cricothyroidotomy (3/4)
2. IV Saline Lock – Live (3/3)
3. IV w/ Bag - mannequin (1/3)
4. Medical Patient Assessment – Level 1 (1/3)
5. External Jugular Vein Cannulation - demonstration (2/3)

Session #28 January 21, 2004 - Wednesday

Test:

1. Digital Intubation (2/3)
2. Any Make Up or Pharm Lab (1/1)
3. Identify Site For Cricothyroidotomy/Cricothyroidotomy (4/4)
4. Medical Patient Assessment – Level 1 (2/3)
5. External Jugular Vein Cannulation - demonstration (3/3)

Session #29 January 26, 2004 - Monday

Test:

Lecture:

Introduction to Electrophysiology and Electrocardiography

Measuring Waveforms

Introduction to Dysrhythmias

Ben and Mary:

Transtracheal Medication Administration

Intro Monitor and Defibrillator

Session #30 January 28, 2004 - Wednesday

Test:

Sinus Mechanisms

Atrial Mechanisms

Ben and Mary:

IM and SQ injections (3/4)

Rhythm ID 1

Session #31 February 2, 2004 - Monday

Test:

(Review: Sinus and Atrial Mechanisms)
Therapeutic Modalities for Sinus/Atrial Mechanisms
Adenosine/Verapamil/Vagal Maneuvers/SCV
Pharmacology Worksheet/Home Medications

Ben and Mary:

Pharm. lab 3

Rhythm ID 2

Session #32 February 4, 2004 - Wednesday

Lecture:

Junctional and Ventricular Mechanisms

Therapeutic Modalities: Junctional and Ventricular Mechanisms

D-fib/Synchronized Cardioversion

-Epinephrine/Lidocaine/Amiodarone

-Sodium Bicarbonate/Procainamide/Magnesium Sulfate

Ben and Mary:

Pharm. lab 4

Rhythm ID 3

Session #33 February 9, 2004 - Monday

Test:

Lecture

(Review: Junctional/Ventricular Mechanisms)
Defibrillation/Synchronized Cardioversion, EKG monitor function overview

Ben and Mary:

Pharm. lab 5

Rhythm ID 4

Module VI

Session #34 February 11, 2004 - Wednesday

Lecture:

- Atrioventricular Heart Blocks
- Pacemakers/AEDs
- Implantable Defibrillators
- Atropine/Isuprel/Dopamine/TCP

Ben and Mary:

Pharm. lab 6

Rhythm ID 5

Session #35 February 18, 2004 - Wednesday

Test:

Lecture:

(Review: AV Heart Blocks)

Dysrhythmia and Arrest Treatment Modalities - ACLS

Ben and Mary:

Pharm. lab 7

Rhythm ID 6

Session #36 February 23, 2004 - Monday**Labs:**

1. Digital intubation (3/3)
2. Removal Of Air From IV tubing (1/1)
3. IV With Bag – mannequin (2/3)
4. Medical Patient Assessment – Level 1 (3/3)
5. Pace/D-fib/Sync (1/3)
6. ACLS Megacodes (Asystole, PEA, MI, Pulmonary edema) ()

Session #37 February 25, 2004 - Wednesday

Test:

1. Blood Draw w/ Vacutainer With an IV Estab. –live (1/3)
2. NR Dual Lumen Airway (1/4)
3. Nebulizer Set Up (1/3)
4. Medical Patient Assessment – Level 2 (1/3)
5. Pace/D-fib/Sync (2/3)

Session #38 March 1, 2004 - Monday

1. Blood Draw w/ Vacutainer With an IV Estab. –live (2/3)
2. ACLS Megacodes (PEA, Asystole, Pulm. Edema, MI) (2/4)
3. IV/Bag - mannequin (3/3)
4. Medical Patient Assessment – Level 2 (2/3)
5. Pace/D-fib/Sync (3/3)

Session #39 March 3, 2004 - Wednesday

Labs:

1. Blood Draw w/ Vacutainer With an IV Estab. –live (3/3)
2. Nebulizer Set Up (2/3)
3. Blood Glucose Analysis (1/3)
4. Medical Patient Assessment – Level 2 (3/3)
5. ACLS Megacodes (VT w/ pulse, VF/pulseless VT, Stable PSVT, Unstable PSVT, Wide Complex Tach uncertain Type, A-fib and A-flutter) (1/4)

Session #40 March 8, 2004 - Monday

Test:

Labs:

1. Nasal Intubation (1/3)
2. ACLS Megacodes (PEA, Asystole, Pulm. Edema, MI, bradycardia) (3/4)
3. NR Dual Lumen Airway Device (2/4)
4. Medical Patient Assessment – Level 3 (1/3)
5. ACLS Megacodes (VT w/ pulse, VF/pulseless VT, Stable PSVT, Unstable PSVT, Wide Complex Tach uncertain Type, A-fib and A-flutter) (2/4)

Session #41 March 10, 2004 - Wednesday

1. Nasal Intubation (2/3)
2. ACLS Megacodes (PEA, Asystole, Pulm. Edema, MI, bradycardia) (4/4)
3. Blood Glucose Analysis (2/3)
4. Medical Patient Assessment – Level 3 (2/3)
5. ACLS Megacodes (VT w/ pulse, VF/pulseless VT, Stable PSVT, Unstable PSVT, Wide Complex Tach uncertain Type, A-fib and A-flutter) (3/4)

Session #42 March 15, 2004 - Monday

Test:

Lecture:

Chest and abdominal injuries

Maxillo-Facial Injuries

Head and Spinal Injuries

Ben and Mary:

IV armboards

Session #43 March 17, 2004 - Wednesday

Test:

Lecture:

- Musculoskeletal Injuries
- Trauma During Pregnancy
- Burns and Soft Tissue Injuries
- Morphine Sulfate for burns

Ben and Mary:

- Spinal Immobilization Assessment and Research 1
- Cervical Collar Application 1

Session #44 March 22, 2004 - Monday

1. Nasal Intubation (3/3)
2. NR IV –mannequin (1/3)
3. NR Medication Bolus (1/3)
4. Nasogastric Intubation to Relieve Gastric Distention and Lavage (1/3)
5. ACLS Megacodes (VT w/ pulse, VF/pulseless VT, Stable PSVT, Unstable PSVT, Wide Complex Tach uncertain Type, A-fib and A-flutter) (4/4)

Session #45 March 24, 2004 - Wednesday

Test:

Labs:

1. NR Dual Lumen Airway (3/4)
2. NR IV –mannequin (2/3)
3. NR Medication Bolus (2/3)
4. Nasogastric Intubation to Relieve Gastric Distention and Lavage (2/3)
5. Medical Patient Assessment - Level 3 (3/3)

March 29, 2004, Monday

Advanced Cardiac Life Support (ACLS) Provider Course (Day 1) at SFPA

March 31, 2004, Wednesday

Advanced Cardiac Life Support (ACLS) Provider Course (Testing Day) (Day 2) at SFPA

End of Winter Quarter

Spring Quarter (EMT-P 100 C)
Module – VII

Session #46 April 5, 2004 - Monday

Test:

Respiratory Emergencies

Respiratory Pharmacology: Albuterol, Terbutaline, Epinephrine, Diphenhydramine

Pharmacology Worksheets

Respiratory Home Medications: Steroids, bronchodilators
(consider 12 Lead EKG)

Ben and Mary:

Pharm Lab 8

Session #47 April 7, 2004 - Wednesday

Test:

1. NR IV - mannequin (3/3)
2. NR IV Med Bolus (3/3)
3. Respiratory Scenarios (1/3)
4. Cardiac Scenarios (1/3)
5. NR Static/Dynamic Cardiology(1/4)

Module VIII and IX

Session #48 – April 12, 2004 - Monday

Test:

Lecture:

Non-traumatic Abdominal Pain/GYN

Neurological Emergencies

Diazepam/Versed

Ben and Mary:

Spinal Immobilization Assessment and Research 2

Cervical Collar Application 2

Session #49 April 14, 2004 - Wednesday**LABS:**

1. Blood Glucose Analysis (3/3)
2. Neurological Scenarios (1/3)
3. Respiratory Scenarios (2/3)
4. Non Traumatic Abdominal Scenarios (1/3)
5. Nebulizer Set Up (3/3)

Session #50 April 19, 2004 - Monday

Test:

Toxicology/Substance Abuse
Overdose and Poisoning/Ipecac/Activated Charcoal
PCR Review/Article Review
Geriatrics

Ben and Mary:

Chest Percussion
MAST application

Session #51 April 21, 2004 - Wednesday**Test:****LABS:**

1. Nasogastric Intubation Lavage (3/3)
2. OD Scenarios (1/3)
3. Respiratory Scenarios (3/3)
4. Cardiac Scenarios (2/3)
5. NR Static/Dynamic Cardiology (2/4)

Session #52 April 26, 2004 - Monday

Test:

Emergency Childbirth/OB Emergencies
Care of the Neonate
Oxytocin

Ben and Mary:

Spinal Immobilization Assessment and Research 3
Cervical Collar Application 3

Session #53 April 28, 2004 - Wednesday

Labs:

1. OB Scenarios (1/4)
2. Neurological Scenarios (2/3)
3. NR Dual Lumen Airway (4/4)
4. Cardiac Scenarios (3/3)
5. OD Scenarios (2/3)

Session #54 May 3, 2004 - Monday

Renal Failure

Diabetes

(Geriatrics if there's time)

Ben and Mary:

Intubation with Spinal Precautions 1

Correction of Accidental Intubation of Esophagus 1

Ben and Mary:

Correction of Accidental Intubation of Right or Left Mainstem Bronchi 1

Laryngospasm During Intubation 1

Extubation of Endotracheal Tube 1

Session #55 May 5, 2004 - Wednesday

Test:

1. Non-Traumatic Abdominal Emergencies (2/3)
2. OD Scenarios (3/3)
3. Neuro Scenarios (3/3)
4. Diabetic Scenarios (1/3)
5. Renal Scenarios (1/3)

Session #56 May 10, 2004 - Monday

Test:

1. Non-Traumatic Abdominal Emergencies (3/3)
2. OB Scenarios (2/4)
3. NR Bleeding Wounds/Shock (1/3)
4. Alternate Cric Procedures (1/3)
5. NR Static/Dynamic Cardiology (3/4)

Session #57 May 12, 2004 - Wednesday

Test

1. NR IO (1/4)
2. NR Pediatric Intubation (1/3)
3. NR Bleeding Wounds/Shock (2/3)
4. Nebulizer Set-up BVM (1/3)
5. Blood Draw w/ Syringe & Needle – mann (1/3)
Blood Draw w/ Vacutainer Needle

Session #58 May 17, 2004 - Monday

Test:

Lab:

1. Obstetric Scenarios (3/4)
2. NR Intraosseous - chicken legs (2/4)
3. NR Pediatric Intubation (2/3)
4. Blood Draw w/ Syringe & Needle. Blood Draw w/ Vacutainer w/ Needle Attached - mannequin (2/3)
5. NR Static/Dynamic Cardiology (4/4)

Session #59 May 19, 2004 - Wednesday

Test:

Lab:

1. Obstetric Scenarios (4/4)
2. NR Intraosseous (3/4)
3. Meconium Aspirator (1/3)
4. Blood Draw w/ Syringe & Needle. Blood Draw w/ Vacutainer w/ Needle Attached - mannequin (3/3)
5. Nebulizer Set-Up w/ BVM (2/3)

Session #60 May 24, 2004 - Monday

Test:

Lab:

1. NR Bleeding Wounds/Shock (3/3)
2. NR Intraosseous (4/4)
3. Lab Make up (2/2)
4. Alternate Cric - pig trachs (2/3)
5. NR Patient Assessment (1/3)

Session #62 June 2, 2004 - Wednesday

Test:
Lab

1. NR Pediatric Intubation (3/3)
2. Meconium Aspirators(2/3)
3. PALS Megacode (1/3)
4. NR Patient Assessment (2/3)
5. Nebulizer Set Up w/ BVM (3/3)

Session #63 June 7, 2004 - Monday

Test:

Communicable Diseases
Blood borne Pathogen
Environmental Emergencies

Session #64 June 9, 2004 - Wednesday

Test:

Lab

1. Meconium Aspirators(3/3)
2. PALS Megacode (2/3)
3. Renal Scenarios (2/3)
4. Diabetes Scenarios (2/3)
5. NR Patient Assessment (3/3)

Session #65 June 14, 2004 - Monday

Test:

Lab:

1. Environmental Emergencies (1/1)
2. Diabetic Scenarios (3/3)
3. Renal Failure Scenarios (3/3)
4. PALS Megacodes (3/3)
5. Alternate Cricothyroidotomy (3/3)

Session #66 June 16, 2004 - Wednesday

Test:

Behavioral Emergencies
Crisis Intervention
MCI/ICS/Hazmat (guest speaker?)
(consider geriatrics)

Ben and Mary:

Intubation with Spinal Precautions 3
Correction of Accidental Intubation of Esophagus 3

Ben and Mary:

Correction of Accidental Intubation of Right or Left Mainstem Bronchi 2
Laryngospasm During Intubation 2
Extubation of Endotracheal Tube 2

Session #67 June 21, 2004 - Monday

Lab

1. NR Oral Testing Preparation
2. Recap Pleural Decompression? PRN
3. Piggy Medication Admin? PRN

Pharmacology Final

Clinical Orientation (Introduction to EMT -P 102)

Session #68 June 23, 2004 - Wednesday

Final Simulation-Scenario-NR oral station exams
Exam X - COMPREHENSIVE WRITTEN COURSE FINAL
Field Orientation (Introduction to EMT - P 103)

Ben and Mary:

IM and SQ injections (4/4)

June 28, 2004, Monday

American Heart Association
Pediatric Advanced Life Support (PALS) - Provider Course (Day 1)
with PEPP (Pediatric Education for Prehospital Professionals) emphasis

June 30, 2004, Wednesday

Pediatric Advanced Life Support written test and skill's station testing
(must achieve an 84%- written, skill's – pass/fail)

Pediatric Advanced Life Support (PALS) - Provider Course (Day 2) with PEEP
emphasis