



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Paramedic IV
Course Number: EMS224

Required Materials

Textbook(s):

1. Bryan E. Bledsoe, Robert S. Porter, Richard A. Cherry. (2022). Paramedic Care: Principles and Practices (Sixth). Pearson. Bundle. ISBN: 9780136914778; (Included with bundle: MyLab with eText Access, EMS Testing Access, Platinum Planner Access.)
2. American Heart Association Pediatric Life Support 2025 edition.
3. Advanced Cardiovascular Life Support: Provider Manual. American Heart, 2025.

Required Readings: See weekly calendar below.

Additional Materials: None

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Take a Comprehensive Exam over the whole program Do BLS recertification
2	PALS (Parts 1 -Course Overview,2- Review of BLS and AED for Infants and Children, and 3- High-Performance Teams from American Heart Association Pediatric Life Support)
3	PALS (Parts 4- Systematic Approach to Seriously Ill or Injured Child, 5- Recognizing and Managing Cardiac Arrest, 6- Effective High Performance Team Dynamics, 7- Recognizing Respiratory Distress and Failure, 8- Managing Respiratory Distress and Failure, 9- Recognizing Shock, 10- Managing Shock, 11- Recognizing Arrhythmias, 12- Managing Arrhythmias, and 13- Post Cardiac Arrest Care from American Heart Association Pediatric Life Support)
4	ACLS (Parts 1- Overview of ACLS,2- Preventing Arrest from American Heart Association Advanced Cardiac Life Support)
5	ACLS (Part 3- High-Performance Teams from American Heart Association Advanced Cardiac Life Support)
6	Fluids and Electrolytes, Med Math Review, Pharmacology Review (Bledsoe's Paramedic Care Ch.20 and Ch. 21)
7	Endocrine Disorders/Nervous Disorders Review (Bledsoe's Paramedic Care Ch.34 and Ch. 35)
8	Toxicology, Infectious, Hematologic, Immune System disorders Review (Bledsoe's Paramedic Care Ch. 35, Ch. 36, Ch.39, Ch. 40, and Ch. 41)

Week	Chapter/Topic/Lab
9	Mechanism of Injury, Bleeding, Burn Review (Bledsoe's Paramedic Care Ch.53, Ch. 54 and Ch. 56)
10	Thoracic and Abdominal, Head, Face, and Spinal Review (Bledsoe's Paramedic Care Ch.57, Ch. 58 and Ch. 56)
11	Operations Review (Bledsoe's Paramedic Care Ch.10, Ch. 11, Ch. 12, Ch. 13, Ch. 14 and Ch. 15)
12	Pediatrics/OB Review (Bledsoe's Paramedic Care Ch.45 and Ch. 47)
13	GI/Renal Review (Bledsoe's Paramedic Care Ch.37 and Ch. 38)
14	Specific Illnesses Review IOOH Practice (Medical)
15	Specific Illnesses Review IOOH Practice (Medical)
16	Final Exam IOOH Testing

8-Week Calendar

Week	Chapter/Topic/Lab
1	Legal/Ethical Review, Assessment Review (Bledsoe's Paramedic Care Ch. 34 - Ch. 41) Lab: IOOH Practice (Cardiac)
2	Pathophysiology, EMPACT/AMLS, Pharmacology and Med-Math Review (Bledsoe's Paramedic Care Ch. 20 and Ch. 21) Lab: IOOH Practice (Trauma)
3	Trauma Review (Bledsoe's Paramedic Care Ch 53 – Ch 58) Lab: IOOH Practice (Respiratory)
4	Operations Review, Rescue Task Force (Bledsoe's Paramedic Care Ch 10 – Ch 15) Lab: Rescue Task Force Scenarios
5	ACLS Advanced Cardiacvascular Life Support:Provider Manual – Parts 1-3 Lab: Associated ACLS skills for certification
6	PALS Pediatric Life Support – Parts 1 – 13 Lab: Associated PALS skills for certification
7	Specific Illnesses Review (Bledsoe's Paramedic Care Ch 45 – 52) Lab: IOOH Testing
8	Final Exam Lab: IOOH Testing