

St. John's University Emergency Medical Services Institute
Paramedic Original Class Syllabus (POC 33) NYS DOH Course #000000



ST. JOHN'S UNIVERSITY

Paramedic Original Course 33

Course Syllabus

NYS DOH COURSE #0000000

Registration End Date	Wednesday, July 05, 2023
Mandatory Orientation Day 1 Academic	Wednesday, August 30, 2023
Mandatory Orientation Day 2 Clinical	Wednesday, September 06, 2023
Mandatory Orientation Day 3 Course Curriculum	Wednesday, September 20, 2023
First Day of Class	Wednesday, September 27, 2023
Summative Class Final	Wednesday, July 17, 2024
NREMT-P Skills Testing	Saturday, August 10, 2024
End of Course	Thursday, August 15, 2024
Class days and times	Monday & Wednesday, 9am to 5pm

Course Administration

Victor F. Politi, MD, FACP, FACEP
Program Medical Director, EMS

Frank Riboni, BS, EMT-P, CIC, NYS Regional Faculty
Director, EMS Institute

Scott Holliday, BS, EMT-P, CIC, NYS Regional Faculty
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Course Faculty

Jacque Ambadjes EMT-P, CIC
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Charles Valicenti EMT-P
Shoshana Weiner DNP, CIC
Stewart Wolf EMT-P

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These textbooks are required:

The publisher, Jones & Bartlett Learning, has put together a special bundle of the textbooks at a St. John's discounted rate.

Jones & Bartlett Package:

Package 1

- A&P: Anatomy & Physiology for the Prehospital Provider Second Edition

Package 2

- ALS: Saunders' Paramedic Textbook 5th Edition with LMS
- FISDAP: Online scheduling and clinical tracking program
- FISDAP: Entrance Exam
- FISDAP: Unit Exam
- FISDAP: Comprehensive Exam

Not Included in Package but required for the course:

- **CPR:** AHA BLS for Healthcare Providers
- **ACLS:** HeartCode® ACLS (Online Student Product for Blended Learning)
- **PALS:** HeartCode® PALS (Online Student Product for Blended Learning)
- **PHTLS:** Prehospital Trauma Life Support 9th Edition by NAEMT Hybrid Course
- **GEMS:** Geriatric Education for EMS 2nd Edition with Advantage Access
- **AMLS:** Advanced Medical Life Support 2nd Edition by NAEMT Hybrid Course

Optional Textbook: Highly recommended but not required texts:

- Bates' Pocket Guide to Physical Examination and History Taking 6th Edition Paperback by Lynn S. Bickley MD
- Medical Dictionary such as:
Taber's Cyclopedic Medical Dictionary 21st Edition
or
Mosby's Dictionary of Medicine, Nursing & Health Professions, 8th Edition

Note: All Students **MUST** complete the following required FEMA classes by Day 1 and have a copy of the certificate or FEMA transcript on file or the student will not be allowed to continue in the course.

IS-100.C: Introduction to Incident Command System

IS-200.C: ICS for Single Resources and Initial Action Incidents

IS-5. A: An Introduction to Hazardous Materials

IS-700.B: NIMS an Introduction

The HIPAA, BBP, and Sterile Field online course must be complete by the first day of class.

NRP, PALS, GEMS, AMLS, PHTLS, and ACLS will be held at the end of the didactic paramedic component of class.

Please refer to the class Clinical Rotation Matrix for start and completion dates of all field experience and clinical hours. All students must complete these hours and competencies by the date specified on the clinical rotation matrix to remain in the course and move onto their field internship hours.

Each student will sit down with a faculty member throughout the course and will have an affective review done. These dates are listed on your syllabus.

All exams will be administered in class, retest will be administered as per the dates on the syllabus

Notes regarding end of course activities:

1. Only students who successfully complete the CoAEMSP paramedic program by meeting all the requirements as outlined in the Paramedic Original Course Guidelines and will receive a Medical Director's Letter of Completion and will be admitted to the National Registry Practical Exam.
2. Students must pass the National Registry Practical Exam in order to be admitted to the NYS/National Registry Online Written Certification Exam.

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Anatomy & Physiology Prerequisite:

This is a self-paced online course that introduces learners with little or no prior biology knowledge of anatomy & physiology. Course content is presented according to body systems and focuses on the body working together to promote homeostasis. The course contains chapter exams to reinforce learning and test knowledge of anatomy & physiology. Everything you need to complete the A&P class is contained online and with your associated textbook. The course is perfect for the individual who needs to learn anatomy and physiology to pursue a field in the healthcare. All students will be required to read the learning objectives, read the textbook chapter. Then complete the online chapter exams for each chapter as located in the placards.

Each A&P textbook chapter has an end of Chapter Exam (CHE) that must be completed by prior to the student taking the A&P module exam. All CHE for each chapter must be completed and submitted electronically on the LMS as listed on the course syllabus **or** earlier. Passing for each chapter exam is 75%. Students that have any incomplete/failing chapter exams will be dismissed from the program.

The chapters are broken up into sections of two as listed below with due dates of completion. Proactive students may complete chapters prior to the due dates. Once all the chapters have been successfully completed, there will be a final exam administered as well. It will be online, and you will be provided with open and close dates to complete the final exam. If you fail the final exam, you will be required to take a retest and show competency in the material to remain in the program. All students are required to complete this online Anatomy and Physiology course for the paramedic course. Please refer to your course guidelines for more on the anatomy and physiology academic requirements.

Course Description: Topics covered in this course include introduction to Human Anatomy and Physiology: An Overview, Cells, The Skeletal System, The Musculoskeletal System, The Respiratory System, The Circulatory System, The Lymphatic and Immune System, The Nervous System, The Integumentary System, The Gastrointestinal System, The Endocrine System, The Urinary System, The Reproductive and Human Genetics, The Special Sensory System, Nutrition and Metabolism.

Course Objectives: The purpose of this course is to provide the paramedic student with a solid foundation in human anatomy and physiology as preparation for health-related programs. Upon successful completion of this course, the student will be able to describe basic principles and concepts related to the structure and functions of biological molecules, cells, tissues, organs, and selected systems of the human body.

Required Textbook: *Anatomy & Physiology for the Prehospital Provider Second Edition*

Meeting Times and Places: This course is administered strictly on-line.

Emergency Policy:

The following schedule is a tentative schedule, which may be altered by the instructor if necessary, in order to meet the course objectives. (Note: chart with due dates and times is continued on next page)

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Anatomy & Physiology Course Schedule Jones & Bartlett LMS		
Due Date	Textbook Topics	Readings and Activities
Monday, September 04, 2023	Chapter 1: Human Anatomy and Physiology: An Overview Chapter 2: Cells Chapter 3: The Skeletal System	<p>All students shall complete each of the following below for each chapter of the textbook:</p> <p><u>Read the learning objectives</u> <u>Read the chapters</u> <u>Complete online chapter exam</u></p> <p>The chapters are to be completed by 0800 hours corresponding to the due date in the left column.</p>
Wednesday, September 06, 2023	Chapter 4: The Musculoskeletal System Chapter 5: The Respiratory System	
Monday, September 11, 2023	Chapter 6: The Circulatory System Chapter 7: The Lymphatic and Immune System	
Wednesday, September 13, 2023	Chapter 8: The Nervous System Chapter 9: The Integumentary System	
Monday, September 18, 2023	Chapter 10: The Gastrointestinal System Chapter 11: The Endocrine System	
Wednesday, September 20, 2023	Chapter 12: The Urinary System Chapter 13: The Reproductive and Human Genetics	
Monday, September 25, 2023	Chapter 14: The Special Sensory System Chapter 15: Nutrition and Metabolism	
Wednesday, September 27, 2023	Final Exam to be administered in school at 0900 hours.	

Anatomy & Physiology Chapter Exams - Students that have any incomplete/failing A&P chapter exams will be dismissed from the program.

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Date	Day	Hours	Topic	Requirements
Wed, Aug 30, 23		7	Academic Orientation	Attendance Mandatory
Wed, Sep 06, 23		7	Clinical Orientation	Attendance Mandatory
Wed, Sep 13, 23		7	Course Orientation & Study Skills	Attendance Mandatory

Date	Day	Hours	Topic	Requirements
Wed, Sep 27, 23	1	7	Exam 1 A&P <i>JBL 100 questions 100 minutes</i> Entrance Evaluation Exam <i>FISDAP 182 questions 3.5 hours (210 Minutes)</i>	Exam1 Retest 1 Mon, Oct 02,2023 Evaluation Exam

EMT Basic Review

Date	Day	Hours	Topic	Skills
Mon, Oct 02, 23	2	7	BLS Skills Practice & Testing	Spinal Seated/Supine, Joint/Longbone/Traction Splinting Hemorrhage Control/ Intra Nasal / Inhaled Medication Glucometer / 12-Lead Placement AED, BVM with Pulse, Upper Airway Adjuncts Suction, Supplemental O2. Pt. Assessment Medical/Trauma
Wed, Oct 04, 23	3	7	BLS Skills Scenario Practice & Re-Testing	
Wed, Oct 11, 23	4	7	BLS Skills Testing & Retesting AHA BLS Skills & Written Exam	

Students may begin BLS Ambulance Rotations

Preparatory

Date	Day	Hours	Topic	Lecture / Labs
Mon, Oct 16, 23	5	7	EMS Systems, Well Being of the Paramedic, Injury Prevention and Public Health, Documentation and EMS Communications	ALS Ch. 1, 2, 3, 4, 5
Wed, Oct 18, 23	6	7	Medical Legal and Ethical Issues, Research Principles and evidence-based practice, Life Span Development, Medical Terminology	ALS Ch. 6, 7, 8, 9, 12
Mon, Oct 23, 23	7	7	Review of Human Systems, Pathophysiology Intro to the Metric System & Pharmacology Math	ALS Ch. 10, 11

Airway & Ventilation

Date	Day	Hours	Topic	Lecture / Labs
Wed, Oct 25, 23	8	7	Respiratory Emergencies Airway Management, Respiration & Artificial Ventilation	ALS Ch. 23, 15
Mon, Oct 30, 23	9	7	Capnography/CPAP & Intro. To Use of Life Pak	Power Point Lecture
			Demo & Practice: Adult & Pediatric ETI, Dual Lumen Airways, ET Suctioning, Magill Forceps, Needle Cricothyrotomy, CPAP, Nasal Intubation, Pulse Ox, Use of Capnography	Lab
Wed, Nov 01, 23	10	7	Airway Skills Practice	Lab
Mon, Nov 06, 23	11	7	Intro to Cardiology - Blood Flow Airway Skills Practice	Mini Topic Lab
Wed, Nov 08, 23	12	7	ALS Interim Skills Testing & Retesting, ALS Scenario Testing	Lab
Mon, Nov 13, 23	13	7	Exam 2 Airway <i>FISDAP 75 questions 75 minutes</i> Intro to Cardiology – Electrical System ALS Scenario Testing	Exam 2 Retest 1 Wed, Nov 15,2023 Retest 2 Mon, Nov 20,2023 Mini Topic Affective Review 1 Lab

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STUDENTS MAY BEGIN OPERATING ROOM ROTATIONS

Pharmacology & Medication Administration

Date	Day	Hours	Topic	Lecture / Labs
Wed, Nov 15, 23	14	7	Principles of Pharmacology Medication Administration	ALS Ch. 13, 14
Mon, Nov 20, 23	15	7	Emergency Medications ACLS, REMAC Drug Review	PowerPoint
Wed, Nov 22, 23	16	7	Demo & Practice: IV, IO, Bolus, Piggyback, Phlebotomy, IM, Sub Q., Assess Indwelling Catheters, Central Line Monitoring, Thrombolytic Therapy initiation/monitoring, Skills Practice	Lab
Mon, Nov 27, 23	17	7	Skills Practice	Lab
Wed, Nov 29, 23	18	7	3 Lead EKG Components Skills Practice	Mini Topic Lab
Mon, Dec 04, 23	19	7	Skills Practice & Testing Skills Testing & Retesting	Lab
Wed, Dec 06, 23	20	7	Atrial Rhythms ALS Scenario Testing and Skills Testing PRN	Mini Topic Lab

STUDENTS MAY BEGIN ADULT EMERGENCY ROOM AND ALS AMBULANCE ROTATIONS

Patient Assessment

Date	Day	Hours	Topic	Lecture / Labs
Mon, Dec 11, 23	21	7	Patient Assessment Critical Thinking & Clinical Decision Making	ALS Ch. 16, 17, 18, 19, 20
Wed, Dec 13, 23	22	7	Junctional – Ventricular Rhythms Demo & Practice: Medical Well Assessment, ALS Techniques of Physical Exam, Medication Admin. Via PO, Bucal, SL and Auto Injector Skills Practice	Mini Topic Lab
Mon, Dec 18, 23	23	7	ALS Interim Skills Testing & Retesting ALS Scenario Testing	Lab
Wed, Dec 20, 23	24	7	Heart Blocks ALS Scenario Testing	Mini Topic Lab Affective Review 2

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Cardiovascular				
Date	Day	Hours	Topic	Lecture / Labs
Wed, Jan 03, 24	25	7	Cardiovascular	ALS Ch. 21
Mon, Jan 08, 24	26	7	Demo & Practice: Introduction to cardiac monitoring, lead placement Skills Practice – Static & Dynamic 3 Lead Interpretation Skills Practice – Static & Dynamic 3 Lead Interpretation	Lab
Wed, Jan 10, 24	27	7	Cardiac Pathophysiology and Management ACS, heart failure, cardiac tamponade, cardiogenic shock, Hypertensive diseases, infectious diseases of the heart, vascular disorders	ALS Ch. 21
Wed, Jan 17, 24	28	7	Demo & Practice: Defibrillation, Cardioversion TCP Skills Practice – Static & Dynamic, Electricity	Lab
Mon, Jan 22, 24	29	7	12 Lead EKG Electrophysiology	ALS Ch. 21
Wed, Jan 24, 24	30	7	Demo & Practice: 12 Lead EKG Acquisition and Interpretation and Skills Practice	Lab
Mon, Jan 29, 24	31	7	Skills Practice and ALS Interim Skills Testing	Lab
Wed, Jan 31, 24	32	7	ALS Interim Skills Testing & Retesting Skills Competencies & Scenario Testing	Lab
Mon, Feb 05, 24	33	7	Skills Competencies & Scenario Testing	Lab
Wed, Feb 07, 24	34	7	Exam 3 Cardiovascular & 25 Question Written EKG Exam <i>FISDAP 75 questions 75 minutes</i> Skills Competencies & Scenario Testing	Exam 3 25 Question Written EKG Exam Retest 1 Mon, Feb 12,2024 Retest 2 Wed, Feb 14,2024 Lab
STUDENTS MAY BEGIN ICU ROTATIONS				
Special Considerations				
Date	Day	Hours	Topic	Lecture / Labs
Mon, Feb 12, 24	35	7	Obstetrics, Neonatal Care	ALS Ch. 45, 46
STUDENTS MAY BEGIN OB/GYN ROTATIONS				
Wed, Feb 14, 24	36	7	Pediatric Emergencies	ALS Ch. 47
Wed, Feb 21, 24	37	7	Geriatric Emergencies, Abuse and Neglect Patients with Special Challenges, Acute Interventions for Home Care	ALS Ch. 48, 49, 50, 51
Mon, Feb 26, 24	38	7	Exam 4 OB/Gyn <i>FISDAP 75 questions 75 minutes</i> Demo & Practice: Neonate and Pediatric Endotracheal Intubation, ET Medication Administration, Pediatric IV and IO, NG Tube Placement, Meconium Aspiration, Rectal Med Administration, Skill Practice	Exam 4 Retest 1 Wed, Feb 28,2024 Retest 2 Mon, Mar 04,2024 Lab
Wed, Feb 28, 24	39	7	Skills Practice	Lab
Mon, Mar 04, 24	40	7	Exam 5 Pediatrics <i>FISDAP 75 questions 75 minutes</i> Skills Competencies & Scenario Testing	Exam 5 Retest 1 Wed, Mar 06,2024 Retest 2 Mon, Mar 11,2024 Lab

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Medical Emergencies				
Wed, Mar 06, 24	41	7	Diseases of the Eyes, Ears, Nose and Throat Neurology	ALS Ch. 22, 24
Mon, Mar 11, 24	42	7	Endocrine Emergencies Immune Systems Disorder, Abdominal & Gastrointestinal Disorders	ALS Ch. 25, 26, 28
STUDENTS MAY BEGIN PEDIATRIC EMERGENCY ROOM ROTATIONS				
Wed, Mar 13, 24	43	7	Skills Competencies & Scenarios	Lab
Mon, Mar 18, 24	44	7	Infectious Diseases and Communicable Diseases Genitourinary & Renal Emergencies Gynecological Emergencies	ALS Ch. 27, 29, 30
Wed, Mar 20, 24	45	7	Hematologic Emergencies Nontraumatic Musculoskeletal Disorders	ALS Ch. 31,32
Mon, Mar 25, 24	46	7	ALS Scenario Testing	
Wed, Mar 27, 24	47	7	Toxicology	ALS Ch. 33
Wed, Apr 03, 24	48	7	Behavioral and Psychiatric Disorders Shock	ALS Ch. 34, 35
Mon, Apr 08, 24	49	7	Exam 6 Medical <i>FISDAP 75 questions 75 minutes</i> ALS Scenario Testing	Exam 6 Retest 1 Wed, Apr 10,2024 Retest 2 Mon, Apr 15,2024 Affective Review 3 Lab

Trauma				
Wed, Apr 10, 24	50	7	Trauma Systems and MOI, Bleeding and Soft Tissue Trauma, Burns	ALS Ch. 36, 37, 38
Mon, Apr 15, 24	51	7	Head Face and Neck Trauma Spine and Nervous System Trauma, Chest Trauma	ALS Ch. 39, 40, 41
Wed, Apr 17, 24	52	7	Abdominal Trauma, Orthopaedic Trauma Environmental Conditions	ALS Ch. 42, 43, 44
Mon, Apr 22, 24	53	7	Skills Practice: Needle Decompression, Chest Tube Maintenance, Morgan Lens ALS Interim Skills Testing & Retesting	Lab
Wed, Apr 24, 24	54	7	Exam 7 Trauma <i>FISDAP 75 questions 75 minutes</i> ALS Scenario Testing	Exam 7 Retest 1 Mon, Apr 29,2024 Retest 2 Wed, May 01,2024 Lab Affective Review 4

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EMS Operations				
Date	Day	Hours	Topic	Lecture / Labs
Mon, Apr 29, 24	55	7	Ground and Air Operations, Medical Incident Command Rescue Awareness and Operations	ALS Ch. 52, 53, 54
Wed, May 01, 24	56	7	Crime Scene Awareness, Hazardous Materials Awareness Bioterrorism and Weapons of Mass Destruction	ALS Ch. 55, 56, 57
Mon, May 06, 24	57	7	Exam 8 Operations <i>FISDAP 75 question 75 minutes</i>	Exam 8 Retest 1 Wed, May 08,2024 Retest 2 Mon, May 13,2024
Tue, May 07, 24			Last Day Field Experience Completion Date	
Wed, May 08, 24	58	6	Cognitive Course Comprehensive Final Exam <i>FISDAP 150 questions 3.5 hours (210 Minutes)</i> Field Experience Paperwork Due 0700 hours	Summative Course Final Exam Retest 1 Wed, May 08,2024 Retest 2 Mon, May 13,2024
Thu, May 09, 24			First Day of Field Internship	
AHA, NAEMT				
Mon, May 13, 24	59	7	NRP: Neonate Resuscitation Program	Labs
Wed, May 22, 24	60	7	PALS HeartCode® blended learning format	PALS Verification
Wed, May 29, 24	61	7	GEMS: Geriatric Education for EMS	GEMS Pretest
Wed, Jun 05, 24	62	7	AMLS: Hybrid Advanced Medical Life Support	AMLS Verification
Mon, Jun 17, 24	63	7	PHTLS Hybrid: Pre-Hospital Trauma Life Support Skills	PHTLS Verification
Wed, Jun 26, 24	64	7	ACLS HeartCode® blended learning format	ACLS Verification

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Comprehensive Final Summative, Psychomotor and Affective Domain Evaluations				
Mon, Jul 08, 24	65	7	ALS Psychomotor Scenario & Affective Oral Scenario Practice	Attendance Mandatory
Wed, Jul 10, 24	66	7	ALS Psychomotor Scenario & Affective Oral Scenario Practice ALS Psychomotor Scenario Testing	Attendance Mandatory
Sun, Jul 14, 24		7	FINAL DAY OF FIELD INTERNSHIP	
Mon, Jul 15, 24	67	7	ALS Psychomotor Scenario Testing & Affective Oral Scenario Testing ALS Psychomotor & Affective Oral Scenario Re-Testing PRN All Internship Paperwork Due and Complete!	Attendance Mandatory Final Affective Evaluation
Wed, Jul 17, 24	68	7	Written CoAEMSP Course Evaluation 200 Question Summative Final Exam Written CoAEMSP Course Evaluation	Summative Final Exam Retest 1 Mon, Jul 22, 2024 Retest 2 Wed, Jul 24, 2024 Attendance Mandatory
NREMT & NYS Psychomotor Certification Evaluation				
Mon, Aug 05, 24	69	7	Final Skills Review Part I ALS Trauma Assessment, Static/Dynamic, Oral A & B, Out of Hospital Scenario	Attendance Mandatory
Wed, Aug 07, 24	70	7	Final Skills Review II Oral A & B, Out of Hospital Scenario, Cardiac Arrest/BVM, Bleeding Control/Long Bone Splinting, ALS Medical Assessment	Attendance Mandatory
Sat, Aug 10, 24	71	8	NREMT-P Initial Skills Testing Stations & NYS Retesting PRN ALS Trauma Assessment, Static/Dynamic, Oral A, Oral B, Out of Hospital Scenario	Attendance Mandatory Saturday Session
Mon, Aug 12, 24	72	7	NYS Practical Skills Remedial Evaluation PRN	Attendance Mandatory Only for Students Notified of Skills Failure
Thu, Aug 15, 24	Official last day of class. Students will be sent further instruction for their written certification exam.			