



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2016/2017		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	MEDICAL-SURGICAL EMERGENCIES AND ANAESTHESIOLOGY		
CODE	02991		
MODULES	Yes		
NUMBER OF MODULES	3		
SCIENTIFIC SECTOR(S)	MED/09, MED/18, MED/41		
HEAD PROFESSOR(S)	LICATA ANNA GIARRATANO ANTONINO RAINERI SANTI MAURIZIO	Professore Associato Professore Ordinario Professore Associato	Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO
OTHER PROFESSOR(S)	LICATA ANNA GIARRATANO ANTONINO PALMERI DI VILLALBA CESIRA BARBAGALLO CARLO MARIA SALAMONE GIUSEPPE RAINERI SANTI MAURIZIO ROMANO GIORGIO CANINO BALDASSARE	Professore Associato Professore Ordinario Ricercatore Professore Associato Professore Associato Professore Associato Professore Ordinario Ricercatore	Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO Univ. di PALERMO
CREDITS	9		
PROPAEDEUTICAL SUBJECTS	17459 - SURGERY PROPAEDEUTICS AND SYSTEMATICS - INTEGRATED COURSE		
MUTUALIZATION			
YEAR	6		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	BARBAGALLO CARLO MARIA Tuesday 13:00 14:00 DIBIMIS CANINO BALDASSARE Monday 12:00 14:00 dibimis GIARRATANO ANTONINO Monday 11:30 13:30 Direzione Anestesia in fase pandemica Teams Classe :https://teams.microsoft.com/j/channel/19%3a7103086b8274457c86866f9ea34bec8a%40thread.tacv2/Generale?groupId=ad16c954-0866-4766-9eb6-c116d3e1817d&tenantId=bf17c3fc-3ccd-4f1e-8546-88fa851t LICATA ANNA Thursday 12:00 14:00 Clinica Medica I, Dibimis PALMERI DI VILLALBA CESIRA Wednesday 10:00 12:00 istituto anestesia primo piano stanza del docente		

	RAINERI SANTI MAURIZIO		
	Wednesday	14:30 - 18:30	Istituto di Anestesia e Rianimazione Policlinico "P. Giaccone" Palermo. 1° Piano. E' Gradita Mail per Conferma
	ROMANO GIORGIO		
	Monday	13:00 - 14:00	U.O.C. Chirurgia Generale e d'Urgenza
	Wednesday	13:00 - 14:00	U.O.C. Chirurgia Generale e d'Urgenza
	SALAMONE GIUSEPPE		
	Monday	12:00 - 14:00	U.O.C. Chirurgia Generale e d'Urgenza Policlinico Universitario "P. Giaccone" Via L. Giuffrè n°5 - Palermo
	Wednesday	12:00 - 14:00	U.O.C. Chirurgia Generale e d'Urgenza Policlinico Universitario "P. Giaccone" Via L. Giuffrè n°5 - Palermo

DOCENTE: Prof. ANTONINO GIARRATANO- *Sede CHIRONE*

PREREQUISITES	Avere superato gli esami del primo e secondo biennio con particolare riferimento alla Farmacologia
LEARNING OUTCOMES	I risultati attesi del modulo sono orientati a fornire agli studenti le necessarie conoscenze delle tecniche anestesilogiche generali e loco-regionali, nonché le conoscenze nell'ambito della rianimazione cardiopolmonare dei quadri patologici di maggiore impegno rianimatorio (shock, arresto cardiorespiratorio, etc.). Si considera' raggiunto obiettivo se lo studente avrà maturato una abilità comunicativa in un contesto di autonomia diagnostica terapeutica .
ASSESSMENT METHODS	Test in itinere e valutazione finale mediante prova orale
TEACHING METHODS	Lessons and advanced macro and microsimulation (Laerdal system)

DOCENTE: Prof. SANTI MAURIZIO RAINERI- Sede HYPATIA

PREREQUISITES	The student must have acquired specific skills in the diagnosis of diseases that have been addressed in the course of Systematic Pathology I, II, III and IV.
LEARNING OUTCOMES	Knowledge and understanding: students must demonstrate knowledge on issues related to the state of coma and brain death. Applying knowledge and understanding: to recognize through medical history, physical examination and laboratory investigations, the pathology in question. Making judgments: skills through a critical process to make choices aware of the scientific, clinical and ethical plan. Communication skills: to be able to show ability to relate to colleagues and learn to interact with other professionals (consultants) involved in patient care. Learning skills: to be able to interpret correctly the information derived from the history, physical examination and by technological aids.
ASSESSMENT METHODS	ECTS grade Italian Grade Grade descriptors A – A+ Excellent 30-30 cum laude Eccellente Excellent knowledge of teaching contents; students should show high analytical and synthetic capabilities and should be able to apply their knowledge to solve highly complex problems. B Very good 27-29 Ottimo Very good knowledge of the teaching contents and excellent language control; students should show analytical and synthetic skills and be able to apply their knowledge to solve problems of medium and, in some cases, even higher complexity. C Good 24- 26 Buono Good knowledge of teaching contents and good language control; the students should be able to apply their knowledge to solve problems of medium complexity D Satisfactory 21-23 Discreto Average knowledge of the teaching contents, in some cases limited to the main topic; acceptable ability to use the specific discipline language and independently apply the acquired knowledge. E Sufficient 18-20 Sufficiente Minimum teaching content knowledge, often limited to the main topic; modest ability to use the subject specific language and independently apply the acquired knowledge. F Fail Insufficiente Lack of an acceptable knowledge of the main teaching content knowledge; very little or no ability to use the specific subject language and apply independently the acquired knowledge.
TEACHING METHODS	Lectures and exercises in classroom

**MODULE
EMERGENCY MEDICINE**

Prof. BALDASSARE CANINO - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Medicina d'urgenza - seconda edizione Pratica e progresso
di Valerio Gai. Edizioni Medico Scientifiche 2013

ISBN: 9788871103136 978-88-7110-313-6

Farmaci e Procedure in Medicina d'Urgenza di Bruno Tartaglino - Edizioni Medico Scientifiche 2007 (II edizione)

ISBN: 978-88-7110-193-4

AMBIT	50416-Clinica generale medica e chirurgica
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The student must acquire the ability to rationally approach the main aspects of emergency medical conditions using correctly and critical clinical methodology and the most useful and rational diagnostic tools in order to achieve in a short time to a diagnostic synthesis and in an appropriate program therapeutic.

SYLLABUS

Hrs	Frontal teaching
3	The cardiac arrest: etiology, pathophysiology, epidemiology and treatment
3	Shock: etiology, pathophysiology, epidemiology and treatment
2	Poisoning and intoxication
3	Urgencies and emergencies hypertensive
2	Acute coronary syndromes
2	Approach to the patient with anterior chest pain
2	The stroke
2	Acute renal failure
2	Pulmonary embolism and acute respiratory failure
2	Pulmonary edema
2	Cardiac arrhythmias: etiology, pathophysiology, epidemiology and treatment
2	The acute metabolic complications of diabetes
2	The alterations in the balance Acid-Base
1	Rhabdomyolysis

MODULE EMERGENCY MEDICINE

Prof. CARLO MARIA BARBAGALLO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

- Manuale di Medicina D'Urgenza, Della Corte F et al., Ed. Mc Graw Hill.
- Urgenze ed Emergenze Medico-Chirurgiche, Agro' F et al., Ed. Minerva Medica.
- Emergenze Medico-Chirurgiche, Tiberio G et al.; Ed. Masson.
- Medicina D'urgenza e Pronto Soccorso, Coraggio F et al., Ed. Gnocchi.
- Diagnosi e Trattamento delle Emergenze medico-chirurgiche, Andreoni B et al., Ed. Elsevier-Masson.
- Medicina di Emergenza-Urgenza, Ferrari AM et al, Ed. Elsevier.
- Materiale didattico ed appunti delle lezioni del docente.

AMBIT	50416-Clinica generale medica e chirurgica
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The primary objective in the selection of topics of the Emergency Medicine module is furnishing the student the knowledge, practical skills and appropriate attitudes to handle the patient in the primary purpose of his well-being. The student must know methods of clinical diagnosis, methodological approach and principles of emergency/urgent therapy based on the etiology and pathophysiology that raised the event morbid.

SYLLABUS

Hrs	Frontal teaching
30	1) Cardiogenic, hypovolemic, anaphylactic and septic shock. 2) Vertigo, dizziness and syncope. 3) consciousness disorders: hydro-electrolytic and acid-base balance disorders and coma states. 4) acute complications of diabetes: keto acidosis, lactic acidosis and hyperosmolar coma, hypoglycemic coma. 5) Dyspnea: heart failure, acute pulmonary edema, bronchial asthma and COPD. 6) pulse-pounding and arrhythmias. 7) hypertensive crisis. 8) Chest, abdominal, lumbar (cardiogenic or not) and lower limbs pain. 9) Pulmonary embolism. 10) Fever and differential diagnosis of emergency medical conditions. 11) DIC and TTP. 12) Hemorrhagic syndromes and general principles of treatment. 13) Diarrhoea and vomiting and related diseases. 14) Acute renal failure. 15) Acute liver failure and acute complications of cirrhosis. 16) Thyrotoxicosis. 17) Hematologic Emergencies: leucopenia, thrombocytopenia, anemia and blastic crisis.

MODULE GENERAL EMERGENCY SURGERY

Prof. GIORGIO ROMANO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

**MODULE
GENERAL EMERGENCY SURGERY**

Prof. GIUSEPPE SALAMONE - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Bellantone - De Toma – Montorsi Chirurgia generale Editore: Minerva Medica
Sartelli - Catena - Manuale di Chirurgia d'Urgenza - Pacini Editore s.p.a.
F. H. Netter - Atlante di Anatomia Umana

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The student must 'acquire the ability to approach rationally the main aspects of surgical diseases in emergency using them properly and critically the clinical methodology and diagnostic tools more useful and rational in order to arrive quickly to a diagnostic synthesis and an appropriate treatment program.

SYLLABUS

Hrs	Frontal teaching
6	Recognition of emergency / surgical emergencies
6	the state of shock rating
6	Semiotics on thoracic and abdominal emergencies
6	clinical and instrumental diagnostics
6	surgical and technical notes

MODULE ANAESTHESIOLOGY AND INTENSIVE CARE

Prof. SANTI MAURIZIO RAINERI - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Tiberio-Randazzo et al Emergenze Medico Chirurgiche Elsevier Masson Edit.
E. ROMANO, Anestesia - I Principi e le Tecniche, UTET.
P. ROSEN, Emergency Medicine, vol. I, II, Mosby, II edizione.
R.D. MILLER, Anesthesia, Churchill Livingstone, III edizione.
J.M. CIVETTA, Critical Care, J.B. Lippincott, Philadelphia, 1988. Textbook of Advanced Cardiac Life Support, American Heart Association, II edizione. Health Care Provider's Manual for Basic Life Support, American Heart Association. Critical Care Diagnosis & Treatment, edited by F.S. Bongard & D.Y. Sue, Lange Medical Book. Emergency Diagnosis & Treatment, edited by C.E. Saunders & M.T. Ho, Lange Medical Book.
NOVELLI ET AL., Anestesia, Rianimazione ed Emergenze Medico-Chirurgiche, Gnocchi, Napoli, 1995

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

at the end of the course the student must demonstrate knowledge and capacity of understanding regarding the anesthesia techniques, CPR as well as the action and use of emergency medications , efficacia mechanism.
know made rational choices about drug therapies, anesthesia and intensive care to be applied in various pathological conditions, taking into account the specific characteristics of individual patient and in optics for a proper avaluation of the benefit-cost ratio.

judgment: integrate knowledge , making judgment based on incomplete or limited information, but that include reflecting on the responsibilities related to the application of its knowledge and judgment as regards the applications of the same in the field of resuscitation and pharmacological. learn to listen carefully to understand and synthetize information on all drug problems, anesthesia and resuscitation and know then communicate the content effectively in both oral and written form. be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases

SYLLABUS

Hrs	Frontal teaching
4	General Anesthesia: components, phases and pharmacology of intravenous and inhaled anesthetics
4	Regional anesthesia : techniques and pharmacology of local anesthetics
2	Invasive and non-invasive monitoring systems in Emergency Department
4	Cardiac Arrest and ALS
2	Shock
2	Pump Failure and Non Invasive Ventilation
2	Lung Failure and Invasive Mechanical Ventilation
2	Sepsis and Septic Shock
2	Primary and Secondary Survey in Trauma
2	Critical Bleeding in Emergency Department
2	Coma and Encephalic Death
2	Acute and Chronic Pain

**MODULE
EMERGENCY MEDICINE**

Prof.ssa ANNA LICATA - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Manuale di Medicina D'Urgenza Piccin
Farmaci e procedure in Medicina D'Urgenza, di Bruno Tartaglino

AMBIT	50416-Clinica generale medica e chirurgica
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INDIVIDUAL STUDY (Hrs)	45
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COURSE ACTIVITY (Hrs)	30
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EDUCATIONAL OBJECTIVES OF THE MODULE

Acquisition of pathophysiology elements, clinical, diagnostic and treatment of major diseases of medical interest in the field of Emergency Medicine

SYLLABUS

Hrs	Frontal teaching
2	Acute coronary syndromes (ACS)
2	hypertensive urgencies and emergencies
4	Neurologic urgencies
2	Ischemic stroke
2	haemorrhagic stroke
2	nevrassitis
2	dangerous electrolyte disorders
2	pulmonary embolism
4	shocks
2	gastrointestinal bleedings
4	Metabolic urgencies
2	the thrauma patient

MODULE ANAESTHESIOLOGY AND INTENSIVE CARE

Prof.ssa CESIRA PALMERI DI VILLALBA - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Tiberio-Randazzo et al Emergenze Medico Chirurgiche Elsevier Masson Edit.
E. ROMANO, Anestesia - I Principi e le Tecniche, UTET.
P. ROSEN, Emergency Medicine, vol. I, II, Mosby, II edizione.
R.D. MILLER, Anesthesia, Churchill Livingstone, III edizione.
J.M. CIVETTA, Critical Care, J.B. Lippincott, Philadelphia, 1988. Textbook of Advanced Cardiac Life Support, American Heart Association, II edizione. Health Care Provider's Manual for Basic Life Support, American Heart Association. Critical Care Diagnosis & Treatment, edited by F.S. Bongard & D.Y. Sue, Lange Medical Book. Emergency Diagnosis & Treatment, edited by C.E. Saunders & M.T. Ho, Lange Medical Book.
NOVELLI ET AL., Anestesia, Rianimazione ed Emergenze Medico-Chirurgiche, Gnocchi, Napoli, 1995.

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
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EDUCATIONAL OBJECTIVES OF THE MODULE

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be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases

SYLLABUS

Hrs	Frontal teaching
8	general anesthesia
4	monitoring of vital signs
2	pain guidelines
4	cardiopulmonary resuscitation
4	extra-hospital emergencies
4	locoregional anesthesia
Hrs	Workshops
4	bls-d