



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2018/2019		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	CLINICAL ONCOLOGY - INTEGRATED COURSE		
CODE	05403		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/06, MED/18		
HEAD PROFESSOR(S)	PANTUSO GIANNI	Professore Ordinario	Univ. di PALERMO
	RUSSO ANTONIO	Professore Ordinario	Univ. di PALERMO
	GEBBIA VITTORIO	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	PANTUSO GIANNI	Professore Ordinario	Univ. di PALERMO
	BADALAMENTI GIUSEPPE	Professore Associato	Univ. di PALERMO
	RUSSO ANTONIO	Professore Ordinario	Univ. di PALERMO
	CIPOLLA CALOGERO	Professore Associato	Univ. di PALERMO
	GRACEFFA GIUSEPPA	Professore Associato	Univ. di PALERMO
CREDITS	6		
PROPAEDEUTICAL SUBJECTS	17459 - SURGERY PROPAEDEUTICS AND SYSTEMATICS - INTEGRATED COURSE		
MUTUALIZATION			
YEAR	5		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<b>BADALAMENTI GIUSEPPE</b> Tuesday 14:00 15:30 UOC di Oncologia Medica <b>CIPOLLA CALOGERO</b> Thursday 14:30 16:30 Chirurgia Generale ed Oncologica 09.07 <b>GEBBIA VITTORIO</b> Wednesday 15:00 16:00 La Maddalena Palermo <b>GRACEFFA GIUSEPPA</b> Monday 13:00 14:00 Istituto di Chirurgia Generale ad Indirizzo Oncologico <b>PANTUSO GIANNI</b> Monday 13:00 13:45 studio del Dipartimento di Oncologia <b>RUSSO ANTONIO</b> Thursday 12:00 14:00 Policlinico P. Giaccone Palermo - Via del Vespro 129 - UOC Oncologia Medica - Piano terra - Prof. Antonio Russo		

**DOCENTE:** Prof. GIANNI PANTUSO- Sede *IPPOCRATE*

<b>PREREQUISITES</b>	Notions of general surgery, anatomy, physiology and pathophysiology
<b>LEARNING OUTCOMES</b>	At the end of the course the student will: -know the theoretical principles of the clinical method and of evidence-based medicine - know properly how to perform a complete medical history, which also includes the social context in which the patient lives - know how to deal with the patient in the most varied environmental conditions, both elective and urgent - know how to perform a correct and complete physical examination of the patient, including both the general and systemic aspects and organs and systems -be able to approach patients who have the following signs and syndromes: digestive haemorrhage , acute abdominal pain, chest pain, jaundice, dyspnea, abnormal urination, urination and hive - know how to detect and interpret critically the main symptoms and signs, and identify the most correct and appropriate clinical diagnostic and instrumental path
<b>ASSESSMENT METHODS</b>	<a href="http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella-Valutazione-Inglese.pdf">http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella-Valutazione-Inglese.pdf</a>  Oral exam
<b>TEACHING METHODS</b>	Frontal lessons

## MODULE MEDICAL ONCOLOGY

*Prof. ANTONIO RUSSO - Sede CHIRONE, - Sede CHIRONE*

### SUGGESTED BIBLIOGRAPHY

F. Ciardiello [et al.] "Oncologia medica" Ed. Idelson – Gnocchi 2013  
 A. R. Bianco "Manuale di Oncologia Clinica" 4° Ed. Mc Graw & Hill  
 G. Bonadonna ed al. "Medicina Oncologica" 8° Ed. Elsevier Masson  
 M. Lopez Oncologia Medica Pratica 2° Ed. SEU – linee guida AIOM

<b>AMBIT</b>	50419-Clinica delle specialità medico-chirurgiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

The student should be able to analyse and solve the problems facing the diagnostic and therapeutic procedure in the light of the principles of the medicine based on evidence

## SYLLABUS

Hrs	Frontal teaching
2	Principles of epidemiology and screening of the most frequent cancers (breast cancer, colon cancer and rectal cancer), the natural history of cancer
1	treatment plan and multidisciplinary approach (tumor staging, evaluation of therapeutic response)
2	Antiblastic principles of chemotherapy (concept of intensity of the dose, toxicity of anticancer drugs, drug resistance - Multi Drug Resistance, growth factors)
1	Principles of targeted therapies (oncogene addiction phenomenon, assessment of therapeutic response)
2	Principles of Clinical Oncology Radiotherapy
1	Biomarkers in medical oncology (risk, diagnostic, prognostic, predictive and surrogate)
1	The doctor-patient relationship in clinical oncology
6	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of gastrointestinal cancer (Esophagus and stomach, colon-rectum, liver and biliary tract, pancreas)
2	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of urogenital neoplasms in either the male or the female (Kidney, bladder, ovary, uterus, prostate and testis)
1	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of the neoplasms of the head and neck (thyroid, salivary glands)
3	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of main hereditary tumors (breast / ovarian, colorectal)
4	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of chest wall tumors (lung, mesothelioma, breast), and paraneoplastic syndromes
1	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of skin cancer
2	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of gastrointestinal stromal tumors (GIST), sarcomas of soft tissue and bone in adults
1	clinical trials
6	How to collect informed consent from the patient, diagnostic method and / or therapeutic. How to inform a patient (in simulated conditions) on benefits and adverse effects of chemotherapy. Set up a treatment plan.
Hrs	Practice
5	Outpatient services
4	clinical trials

## MODULE MEDICAL ONCOLOGY

*Prof. ANTONIO RUSSO - Sede IPPOCRATE, - Sede IPPOCRATE*

### SUGGESTED BIBLIOGRAPHY

F. Ciardiello [et al.] "Oncologia medica" Ed. Idelson – Gnocchi 2013  
 A. R. Bianco "Manuale di Oncologia Clinica" 4° Ed. Mc Graw & Hill  
 G. Bonadonna ed al. "Medicina Oncologica" 8° Ed. Elsevier Masson  
 M. Lopez Oncologia Medica Pratica 2° Ed. SEU – linee guida AIOM

<b>AMBIT</b>	50419-Clinica delle specialità medico-chirurgiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

The student should be able to analyse and solve the problems facing the diagnostic and therapeutic procedure in the light of the principles of the medicine based on evidence

## SYLLABUS

Hrs	Frontal teaching
2	Principles of epidemiology and screening of the most frequent cancers (breast cancer, colon cancer and rectal cancer), the natural history of cancer
1	treatment plan and multidisciplinary approach (tumor staging, evaluation of therapeutic response)
2	Antiblastic principles of chemotherapy (concept of intensity of the dose, toxicity of anticancer drugs, drug resistance - Multi Drug Resistance, growth factors)
1	Principles of targeted therapies (oncogene addiction phenomenon, assessment of therapeutic response)
2	Principles of Clinical Oncology Radiotherapy
1	Biomarkers in medical oncology (risk, diagnostic, prognostic, predictive and surrogate)
1	The doctor-patient relationship in clinical oncology
6	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of gastrointestinal cancer (Esophagus and stomach, colon-rectum, liver and biliary tract, pancreas)
2	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of urogenital neoplasms in either the male or the female (Kidney, bladder, ovary, uterus, prostate and testis)
1	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of the neoplasms of the head and neck (thyroid, salivary glands)
3	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of main hereditary tumors (breast / ovarian, colorectal)
4	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of chest wall tumors (lung, mesothelioma, breast), and paraneoplastic syndromes
1	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of skin cancer
2	Epidemiology, risk factors, natural history, clinical presentation, diagnosis and therapy of gastrointestinal stromal tumors (GIST), sarcomas of soft tissue and bone in adults
1	clinical trials
6	How to collect informed consent from the patient, diagnostic method and / or therapeutic. How to inform a patient (in simulated conditions) on benefits and adverse effects of chemotherapy. Set up a treatment plan.
Hrs	Practice
5	Outpatient services
4	clinical trials

## MODULE SURGICAL ONCOLOGY

*Prof. CALOGERO CIPOLLA - Sede CHIRONE, - Sede CHIRONE*

### SUGGESTED BIBLIOGRAPHY

M. A. Latteri: Chirurgia Oncologica e principi di oncologia clinica. EdiSES, Napoli  
 Sabiston: Sabiston. Trattato di chirurgia. Le basi biologiche della moderna pratica chirurgica. Antonio Delfino Ed.  
 G. Bonadonna ed al. "Medicina Oncologica" Ed. Elsevier Masson

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

### EDUCATIONAL OBJECTIVES OF THE MODULE

To be able to analyze and solve the problems of oncological order by addressing the diagnostic-therapeutic process in the light of principles of evidence-based medicine.

## SYLLABUS

Hrs	Frontal teaching
30	<ul style="list-style-type: none"> <li>•Le basi dell'Anatomia Topografica e Clinica; Metodiche strumentali: doppler, ecotomografia, tomografia Computerizzata (TC), risonanza magnetica nucleare (RM), endoscopia digestiva.</li> <li>•Relazione medico-assistito in chirurgia.</li> <li>•Lesioni traumatiche della cute e del sottocute.</li> <li>•Diagnostica clinico-strumentale in senologia.</li> <li>•L'esame clinico del collo, delle ghiandole salivari: tumefazioni del collo, cisti e fistole del collo.</li> <li>•Metodiche di studio della tiroide e delle paratiroidi.</li> <li>•Semeiotica dell'addome.</li> <li>•L'esame del paziente affetto da ernia o laparocele.</li> <li>•Metodologia di approccio al paziente affetto da dolore addominale acuto.</li> <li>•Metodologia di approccio al paziente affetto da peritonite.</li> <li>•Metodologia di approccio al paziente affetto da occlusione intestinale.</li> <li>•Metodologia di approccio al paziente affetto da emoperitoneo.</li> <li>•Metodologia di approccio al paziente affetto da emorragie gastrointestinali.</li> <li>•Semeiotica del fegato e delle vie biliari.</li> <li>•Semeiotica del pancreas.</li> <li>•Metodologia di approccio al paziente affetto da ittero.</li> </ul>

## MODULE SURGICAL ONCOLOGY

*Prof. GIANNI PANTUSO - Sede IPPOCRATE, - Sede IPPOCRATE*

### SUGGESTED BIBLIOGRAPHY

"Bariatric Surgery - Multidisciplinary Approach and Surgical Techniques". Umberto Parini - Pier Eugenio Nebiolo. Musumeci Editore  
 " La Gastrostomia Endoscopica Percutanea" - S.I.E.D.

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

### EDUCATIONAL OBJECTIVES OF THE MODULE

To be able to analyze and solve dietary-nutritional problems by addressing the diagnostic-therapeutic route in the light of evidence-based medicine principles

## SYLLABUS

Hrs	Frontal teaching
8	Principles of Obesity Epidemiology and Screening. Natural History of Obesity. Endocrine-Metabolic Aspects. Obesity and Respiratory Disorders. Psychological Aspects. Psychiatric Aspects. Anesthesiological Problems and Obesity. Coagulative and Venous Thrombosis. Legal Medical Aspects.
22	Childhood Obesity: Surgical Indications. Gastrointestinal Surgery in Type 2 Diabetes Therapy. Metabolic Interventions. Surgical and Endoscopic Techniques: The Role of Minimally Invasive Surgery - Laparoscopic. The Intra-gastric Balloon. The Gastric Banding. The Sleeve Gastrectomy. Vertical Gastroplasty. Bariatric Metabolic Surgery: By-Pass Gastric. Scopinaro Biliopancreatic Diversion. Biliopancreatic Diversion - Duodenal Switch. Bariatric Complications. Bariatric Nutritional Deficiency. Radiological Diagnosis. Characteristics of a Bariatric Center. Bariatric Multimodal Approach. Physiotherapeutic Approach after Bariatric Intervention. Metabolic-Nutritional Evaluations. Post-Bariatric Plastic Surgery. Non Oral Enteral Nutrition: Gastrostomy Surgery and P.E.G.

## MODULE SURGICAL ONCOLOGY

*Prof.ssa GIUSEPPA GRACEFFA - Sede HYPATIA, - Sede HYPATIA*

### SUGGESTED BIBLIOGRAPHY

R. Dionigi: Chirurgia. Elsevier Masson, Milano  
U. Veronesi. Chirurgia Oncologica. Masson  
Materiale didattico multimediale e cartaceo fornito dal docente

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

### EDUCATIONAL OBJECTIVES OF THE MODULE

The student must have specific expertise in the field of surgical oncology, with particular interest to the diagnosis and integrated treatment of cancer more frequent observation.

**LEARNING EXPECTED RESULTS:** Knowledge and understanding At the end of the course the student will have built-in 'to be able to know and understand: -the mode of the growth and spread of solid tumors; -the main diagnostic tools for diagnosis, staging and prognosis of solid tumors -the scientific basis underlying the correct therapeutic planning (surgical, medical and integrated) of solid tumors during the various stages of the disease. Capacity to apply knowledge and understanding At the end of the course the student must know and understand: -what are the main surgical therapies (resective, radical, debulking, palliative, etc ..) and medical (chemotherapy, hormonal adjuvant and not) -what are the limits and the potential of the treatments currently available for the diagnosis and treatment of major solid tumors; -as set a differential diagnosis in front of a patient with a suspected solid malignancy Making judgments and enable communicativity The student must have specific expertise in the field of medical and surgical oncology. In addition, it must have accurate information about today's achievements in cancer research, with particular reference to the integrated diagnostic and therapeutic aspects of various cancers. They must know the new surgical approaches and the modern biological therapy chemotherapy, identifying a therapeutic diagnostic path in accordance with national and international guidelines. It must prove, finally, to have gained autonomy of judgment, based on knowledge of basic science cancer, and enable communication to enable it to deal with colleagues, other professionals in the health area, with patients and with relatives of patients. Learning capacity Acquisition of knowledge geared to the ability to continuing education in the field of oncological diseases.

**DESCRIPTION OF EVALUATIONS METHODS (ECTS & Italian Grade):** 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.

## SYLLABUS

Hrs	Frontal teaching
1	Salivary glands neoplasms
1	Breast neoplasms
2	Thyroid neoplasms
2	Neoplasms of lung, pleura and mediastinum
2	Barrett esophagus and esophageal neoplasms
2	Gastric neoplasms
3	Gallbladder and biliary tree neoplasms
2	Primitive and secondary liver neoplasms
3	Neoplasms of esocrine pancreas and ampulla of Vater
2	Neoplasms of small intestine
3	Colorectal neoplasms
2	Retroperitoneal neoplasms
1	Liver metastasis and peritoneal carcinomatosis
2	Neoplasms of male and female genital tract
2	Soft tissue neoplasms