



Pomorski Uniwersytet Medyczny w Szczecinie

Course Syllabus General Information

Course Title: General and Oncological Surgery	
Module type	Obligatory
Faculty PUM	Faculty of Medicine
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine
Level of study	Long-cycle Master's studies
Form of studies	Full-time and part-time
Year of study, semester	5th year, semesters IX and X
ECTS credits (incl. semester breakdown)	6 ECTS credits
Types of training (number of hours)	<ul style="list-style-type: none"> • Practical classes: 80h (74h + 6h CSM) • Seminars: 12h • E-learning lectures: 28h <li style="padding-left: 20px;">Total: 120h
Methods of learning outcomes verification and assessment: ¹	<input type="checkbox"/> credit with a grade: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> credit without a grade <input checked="" type="checkbox"/> final exam: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> practical <input type="checkbox"/> oral

¹ replace into where applicable

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Language	English

Additional Units Conducting the Subject	<p>Department of General and Hand Surgery Head: Prof. Andrzej Żyłuk SPSK1, ul. Unii Lubelskiej 1, 71-252 Szczecin  91 425 31 96 Responsible person: Prof. Andrzej Żyłuk</p>
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Detailed information

Module objectives		The module prepares the student to work in a Surgical Ward, Surgical Emergency Department, and Surgical Outpatient Clinic. It provides an essential foundation for further education in surgical specialties.
Entry requirements in terms of:	Knowledge	Basic and advanced knowledge of patient history-taking and physical examination, as well as anatomy, physiology, and pathophysiology, is required.
	Skills	Wymagana podstawowa wiedza dotycząca badania podmiotowego i przedmiotowego pacjentów, umiejętności poruszania się po bloku operacyjnym, chirurgicznego mycia rąk, kwalifikacji i przygotowania pacjenta do leczenia zabiegowego.
	Social Competences	Ability to work in a team, systematic approach, and organizational skills.

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	The student will be able to describe the causes, symptoms, diagnostic principles, and therapeutic management of the most common diseases requiring surgical intervention in adults, including in particular: (1) acute and chronic abdominal diseases, (2) thoracic diseases, (3) diseases of the limbs and head, (4) bone fractures and organ injuries.	F.W1	ET, SP

W02	The student will explain the principles of qualification for basic surgical procedures and invasive diagnostic-therapeutic interventions, the rules for performing them, and the most common complications	F.W3	ET, SP
U01	Assists in a typical surgical procedure, prepares the surgical field, and administers local anesthesia to the operative area.	F.U1	S
U02	Uses basic surgical instruments.	F.U2	S
U03	Follows the principles of asepsis and antisepsis.	F.U3	S
U04	Treats a simple wound, applies and changes a sterile surgical dressing.	F.U4	S
U05	Performs examination of the breasts, lymph nodes, thyroid gland, and abdominal cavity in the context of acute abdomen, as well as digital rectal examination.	F.U6	S
U06	Manages external bleeding.	F.U9	S
U07	Provides care for the patient during the postoperative period.	F.U12	S
U08	Assesses the indications for performing a suprapubic puncture and participates in its execution.	F.U23	S
U09	Assists in typical urological procedures (diagnostic and therapeutic endoscopy of the urinary tract, lithotripsy, prostate puncture).	F.U24	S
K01	Establishes and maintains a deep and respectful relationship with the patient, showing understanding for worldview and cultural differences.	K.1	O
K02	Acts in the best interest of the patient.	K.2	O
K03	Respects medical confidentiality and patients rights.	K.3	O

K04	Takes action toward the patient based on ethical principles, with an awareness of the social context and limitations resulting from the illness.	K.4	O
K05	Draws conclusions from own measurements or observations.	K.8	O
K06	Implements the principles of professional collegiality and teamwork with specialists, including representatives of other medical professions, also in multicultural and multinational environments.	K.9	O
K07	Takes responsibility for decisions made within professional practice, including in terms of personal and others safety.	K.11	O

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other ...
W01	F.W1	X	X				X	
W02	F.W3	X	X				X	
U01	F.U1			X				
U02	F.U2			X		X		
U03	F.U3			X		X		
U04	F.U4			X				
U05	F.U6			X				
U06	F.U9			X				
U07	F.U12			X				

U08	F.U23			X				
U09	F.U24			X				
K01	K.1			X				
K02	K.2			X				
K03	K.3			X		X		
K04	K.4			X		X		
K04	K.8			X				
K04	K.9			X				
K07	K.11			X				

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Lectures (e-learning)			
TK01	Venous diseases	2h	F.W1, F.W3
TK02	Arterial diseases	2h	F.W1, F.W3
TK03	Aneurysms	2h	F.W1, F.W3
TK04	Pneumothorax, traumatic thoracic surgery	2h	F.W1, F.W3
TK05	Mediastinal lymph node diagnostics, surgical diseases of the lungs.	2h	F.W1, F.W3
TK06	Pathophysiology of valvular heart defects	2h	F.W1, F.W3
TK07	Congenital heart defects, cardiac arrest	2h	F.W1, F.W3
TK08	Breast cancer – prevention, diagnosis, treatment	2h	F.W1, F.W3
TK09	Stomach cancer	2h	F.W1, F.W3
TK10	Colorectal cancer	2h	F.W1, F.W3
TK11	Pancreatic cancer	2h	F.W1, F.W3
TK12	Minimally invasive surgery – endoscopic and laparoscopic procedures.	2h	F.W1, F.W3
TK13	Types of shock – symptoms and treatment.	2h	F.W1, F.W3
TK14	Hand surgery	2h	F.W1, F.W3
Seminars			
TK01	Acute ischemia of the lower limbs, anticoagulant treatment. Aortic aneurysms.	2h	F.W1, F.W3, K.4, K.11
TK02	Surgical treatment of ischemic heart disease	2h	F.W1, F.W3, K.4, K.11
TK03	Thyroid and parathyroid surgery	2h	F.W1, F.W3, K.4, K.11

TK04	Hand surgery, polytraumatology	2h	F.W1, F.W3, K.4, K.11
TK05	Chest injuries, lung cancer	2h	F.W1, F.W3, K.4, K.11
TK06	Diseases of the large intestine, colorectal cancer, breast cancer.	2h	F.W1, F.W3, K.4, K.11
Practical classes			
TK01	Abdominal examination, examination and diagnosis of acute abdomen.	2h CSM	F.U6
TK02	Chest examination, examination and diagnosis of the most common chest injuries.	2h CSM	F.U5, F.U10,
TK03	Examination of the lower and upper limbs.	2h CSM	F.U6
TK04	Operating room classes, assistance in surgical procedures.	12h	F.U1- F.U4,F.U6, F.U9, F.U23,F.U2 4 K.1-K.4, K.8, K.9, K.11
TK05	Recognition, diagnosis, prevention, and treatment of acute and chronic limb ischemia. Recognition, diagnosis, and treatment of chronic and acute cerebral ischemia. Recognition, diagnosis, prevention, and treatment of chronic venous insufficiency and venous thromboembolic disease. Recognition, diagnosis, prevention, and treatment of chronic venous insufficiency.	11 h	F.U1, F.U2 F.U3, F.U4,F.U6, F.U9, F.U23,F.U2 4 K.1-K.4, K.8, K.9, K.11
TK06	Postoperative patient care, patient examination, assistance with dressing changes, administration of intravenous fluids, and blood products.	12 h	F.U1, F.U2 F.U3, F.U4,F.U6, F.U9, F.U12, K.1- K.4, K.8, K.9, K.11

TK07	Surgical outpatient clinic for adults, patient examination, diagnosis and treatment, performing basic surgical procedures, applying dressings.	12h	F.U1, F.U2 F.U3, F.U4,F.U6, F.U9, F.U23,F.U2 4 K.1-K.4, K.8, K.9, K.11
TK08	Qualification of patients for surgical procedures, patient interview, patient preparation, providing information about the proposed treatment. Diagnostics, qualification, and preparation for cardiothoracic surgery.	12h	F.U1, F.U2 F.U3, F.U4,F.U6 K.1-K.4, K.8, K.9, K.11

Booklist

1. Essential surgery :problems, diagnosis and management /Clive R. G. Quick [et al.] ; ill. by Philip J. Deakin Edinburgh [etc.] :Churchill Livingstone/Elsevier – nowe 7 wydanie ma się ukazać (August 25, 2025) ISBN 978-0443117183 (równocześnie mamy dostęp online w bazie ClinikalKey)
2. Schwartz's Principles of Surgery, 11e F. Charles Brunickardi, Dana K. Andersen, Timothy R. Billiar, Set ISBN 978-1-259-83535-3 (równocześnie mamy dostęp online w bazie Access Medicine)
3. Current diagnosis & treatment :surgery /edited by Gerard M. Doherty McGraw Hill / Medical; 15th edition (April 24, 2020) ISBN 978-1260122213 (równocześnie mamy dostęp online w bazie Access Medicine)
4. Principles and practice of surgery /edited by O. James Garden, Rowan W. Parks. Elsevier; 8th edition (May 25, 2022) ISBN 978-0702082511 (równocześnie mamy dostęp online w bazie ClinikalKey)

Student's workload

Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
Contact hours with the tutor	120h
Time spent on preparation to seminars/ practical classes	16h
Time spent on reading recommended literature	17h

Time spent on writing report/making project	
Time spent on preparing to the exam and for the final exam in the 5th year.	25h
Other	
Student's workload in total	180h
ECTS credits for the subject (in total)	6 ECTS Credits
Remarks	
Hours spent in the outpatient clinic: 5h	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedia presentation

other...