

**MINISTRY OF EDUCATION AND SCIENCE OF KYRGYZ
REPUBLIC**

**Osh State University
International Medical Faculty**

Department of " Obstetrics-gynecology & surgical disciplines "

**ACADIMIC PROGRAM
(SYLLABUS)**

| | | | |
|--|------------------------|---|---------------------|
| Specialty | General medicine | Course code | “560001” |
| Language of instruction | English | Subject | Surgical diseases 2 |
| Academic year | 2025-2026y | Amounts of credits | 3 credits |
| Teacher | Kaiypov A.A. | Semester | 9 |
| E-Mail | akaiypov@oshsu.kg | Schedule according to the OSH State University application Student” | |
| Consultations (time/lecture hall) | IMF (08:00-17:00/403,) | Location (building/room) | IMF 2 |
| Form of study (full-time/part-time/evening /distant) | Full-time | Course type: (Basic/electiv1e) | Basic |

OIII, 2025

1 OBJECTIVES OF THE DISCIPLINE

The purpose of teaching and studying the discipline "Surgical Diseases 2" is to form and acquire from students scientific knowledge about diseases of the abdominal cavity and chest, methods of their prevention and treatment, to prepare future doctors for independent work with surgical patients.

2 Be able to :

- Collect anamnesis from the patient (or relatives);
- Conduct a physical examination of the patient;
- Determine the type and scope of clinical, laboratory and instrumental research methods;
- To carry out palpation, percussion and auscultation of patients ";
- Draw up a plan for the provision of emergency medical care and further intensive care;
- Establish the most trusting relationship with the patient, his relatives and medical workers;
- Work in a team.

3 Own:

- Conducting primary examination of patients.
- Providing primary care.
- Conducting some of the types of surgical interventions.
- Removing patients from terminal conditions

4. Post requisites:

5. Post requisites: pediatric surgery, basics of endoscopic surgery, obstetrics and gynecology, oncology.

| | | |
|---|---|--|
| Prerequisites: | Prerequisites : anatomy, physiology, histology, normal and pathological physiology, pathological anatomy, pharmacology, first aid, general nursing, general surgery, faculty surgery. | |
| Post requisites: | faculty surgery, pediatric surgery, traumatology, obstetrics and gynecology, oncology. | |
| Learning outcomes of the discipline | | |
| In the course the student will achieve the following learning outcomes: | | |
| LO EBP | Competencies | Code of LO of discipline (LOd)and its wording |

| | | |
|---|---|---|
| <p>LO-7-Is able to apply basic knowledge in the field of diagnostic activities to solve professional tasks.</p> | <p>PC-16 – is able and ready to use the algorithm for making a diagnosis (primary, concomitant, and complications) in accordance with the ICD, and to perform basic diagnostic measures to identify urgent and life-threatening conditions;</p> | <p>Knows and understands:</p> <ul style="list-style-type: none"> - etiopathogenesis, clinical course, diagnosis of the main types of surgical diseases; - methods of examination of surgical patient, labor, instrumental diagnosis; <p>Is able to:</p> <ul style="list-style-type: none"> - ask and analyze patient complaints, anamnesis morbi and vitae, general examination, laboratory and instrumental results; - determine the main pathological conditions, symptoms, syndromes of diseases, nosological forms in patients in accordance with the ICD; <p>Possesses:</p> <ul style="list-style-type: none"> - methods of external surgical patient examination; - skills of making a preliminary diagnosis based on the interpretation of the results of laboratory and instrumental examination of surgical patient. |
| <p>LO₈– Able to apply basic knowledge in the field of therapeutic activities to solve professional problems</p> | <p>PC-17- is able and ready to provide first medical aid in cases of urgent and life-threatening conditions, and to refer patients for hospitalization on a planned and emergency basis.;</p> <p>PC-19-is able to provide the adult population and children with first aid in case of emergency and life-threatening conditions, to direct patients to the hospital on a planned and emergency basis;</p> <p>PC- 21 – is able and ready to manage physiological pregnancy and conduct childbirth."</p> | <p>Knows and understand:</p> <ul style="list-style-type: none"> - management of surgical patient.; - treatment and prevention of the main types of surgical diseases; - methods of delivery, based on the implementation of deontological principles; - management of surgical patients and providing emergency care for pathological conditions; - methods of prevention of postoperative complications; <p>Is able to:</p> <ul style="list-style-type: none"> - apply the acquired knowledge to postoperative patient - prescribe adequate treatment to patients with various nosological forms in outpatient clinic and hospital; - provide first aid for urgent surgical conditions of the <p>Owens:</p> <ul style="list-style-type: none"> - skills of management surgical diseases, management of delivery, skills of conducting and treating patients with various nosological forms in outpatient clinic and day hospital; - choice of the adequate tactics of conducting and treatment in surgical practice |

Card of accumulation of points for the discipline " Surgical diseases 2 "
IX semester

| Subj ect | Кре дит | Au d. Cla sses | ISW/ ISWT | I-module (50 балл) | | | | | | Exam (50 marks) |
|-------------|------------|-------------------------|--------------|--------------------|------|-----|--------------|------|----|--------------------|
| Surgi | | 40 | 60% | Aud. classes | ISW/ | CC/ | Aud. classes | ISW/ | CC | |

| | | | | | | | | | | | | |
|-------------------------|---|----|----|-----------------------------------|----|------|---|----|----|------|---|-----|
| | | | | lec | pr | | | pr | | | | |
| | 3 | 36 | 54 | 14 | 22 | 40/6 | | 4 | 13 | 20/6 | | |
| Point Accumulation Card | | | | 4 | 4 | 8 | 9 | 4 | 4 | 8 | 9 | |
| Module and exam results | | | | (example=tcp.+r+s) before 50 / 50 | | | | | | | | 50 |
| | | | | Pass mark = M1 26-50) | | | | | | | | |
| Final grade | | | | I = R Extra. + E | | | | | | | | 100 |

Calendar and thematic plan of lectures

| № | Topic name | Number of hours | Marks | | | |
|----------|--|-----------------|-------|-------------------------------------|--------------------|-------|
| | | | visit | Test (for TC), oral, written survey | keeping a workbook | total |
| 1-module | | | | | | |
| 1 | Acute appendicitis etiopathogenesis, diagnosis, differential diagnosis. Complications of acute appendicitis. Surgical treatment.(Acute appendicitis in pregnant women. Acute appendicitis in the elderly and children.). | 2 | 1 | 2 | 1 | 4 |
| 2 | Intestinal obstruction etiology, pathogenesis, classification, clinical features, diagnosis and differentiation. diagnosis. Complications and surgical treatment of intestinal obstruction | 2 | 1 | 2 | 1 | 4 |
| 3 | Peritonitis, etiopathogenesis, diagnosis, differential diagnosis. Surgical treatment of peritonitis. Preoperative | 2 | 1 | 2 | 1 | 4 |

| | | | | | | |
|--------|---|-----|---|---|---|---|
| | <i>preparation and postoperative management of patients with peritonitis.</i> | | | | | |
| 4 | Inflammatory bowel disease. Crohn's disease and ulcerative colitis. Methods of surgical treatment. Management of patients in the pre- and postoperative period. | 2 | 1 | 2 | 1 | 4 |
| 5 | Diseases of large intestine. Colonic diverticulosis and diverticulitis. paraproctitis | 2 | 1 | 2 | 1 | 4 |
| 6 | Rectal diseases (Hemorrhoids, anorectal abscess, Fistulo in ano). Methods of surgical treatment. Management of patients in the pre- and postoperative period. | 2 | 1 | 2 | 1 | 4 |
| 7 | Open and closed injuries to the abdomen (liver, pancreas, spleen). Clinic, diagnosis, differential diagnosis. Providing emergency surgical care. | 2 | 1 | 2 | 1 | 4 |
| Total: | | 14h | 1 | 2 | 1 | 4 |

Calendar and thematic plan of practical classes

| № Weeks | Topic name | Number of hours | Points | | | |
|------------|---|-----------------|-----------|--|--------------|-----------|
| | | | vis it | oral, written survey(a sk question s) | activi ty | tot al |
| 1-module | | | | | | |
| 1. | Acute appendicitis etiopathogenesis, diagnosis, differential diagnosis. Complications of acute appendicitis. Surgical treatment.(Acute appendicitis in pregnant women. Acute appendicitis in the elderly and children.). https://www.youtube.com/watch?v=rTTAnK3PY4A | 2 | 1 | 2 | 1 | 4 |
| 2. | Intestinal obstruction etiology, pathogenesis, classification, clinical features, diagnosis and differentiation. diagnosis. Complications and surgical treatment of intestinal obstruction. https://www.youtube.com/watch?v=onzZ9SuwUw4 | 2 | 1 | 2 | 1 | 4 |
| 3. | Thrombosis of the mesenteric vessels. SMA | 2 | 1 | 2 | 1 | 4 |

| | | | | | | |
|-----|--|----|---|---|---|---|
| | syndrome Surgical treatment of intestinal infarction. https://www.youtube.com/watch?v=cPNWYmuwPMc | | | | | |
| 4. | <i>Peritonitis, etiopathogenesis, diagnosis, differential diagnosis. Surgical treatment of peritonitis. Preoperative preparation and postoperative management of patients with peritonitis.</i> https://www.youtube.com/watch?v=COKb-Vf9FMY | 2 | 1 | 2 | 1 | 4 |
| 5. | Inflammatory bowel disease. Crohn's disease and ulcerative colitis. Methods of surgical treatment. Management of patients in the pre- and postoperative period. https://www.youtube.com/watch?v=ZA4xFrtCeZg | 2 | 1 | 2 | 1 | 4 |
| 6. | Diseases of large intestine. Colonic diverticulosis and diverticulitis. https://www.youtube.com/watch?v=GfovrybyDX4 | 2 | 1 | 2 | 1 | 4 |
| 7. | Rectal diseases (Hemorrhoids, paraproctitis). Methods of surgical treatment. Management of patients in the pre- and postoperative period. https://www.youtube.com/watch?v=SoO2OxqHVHA&t=435s | 2 | 1 | 2 | 1 | 4 |
| 8. | Rectal diseases (anorectal abscess, Fistulo in ano) . Management of patients in the pre- and postoperative period. https://www.youtube.com/watch?v=8JdmhOaJFwM&t=90s | 2 | 1 | 2 | 1 | 4 |
| 9. | Rectal diseases (anal fissure , pilonidal sinus) . Management of patients in the pre- and postoperative period. https://www.youtube.com/watch?v=8JdmhOaJFwM&t=90s | 2 | 1 | 2 | 1 | 4 |
| 10. | Open and closed injuries to the abdomen (liver, pancreas, spleen). Clinic, diagnosis, differential diagnosis. Providing emergency surgical care. https://www.youtube.com/watch?v=bL3yZQtWYJI | 2 | 1 | 2 | 1 | 4 |
| 11. | Open and closed injuries to the abdomen (small intestine & large intestine). Clinic, diagnosis, differential diagnosis. Providing emergency surgical care. https://www.youtube.com/watch?v=bL3yZQtWYJI | 2 | 1 | 2 | 1 | 4 |
| | Total Hours / Average Current Score | 22 | 1 | 2 | 1 | 4 |

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|--|------------------------------|--|--|--|--|----|
| | Exam, Current control | | | | | 50 |
|--|------------------------------|--|--|--|--|----|

Plan of organization ISW

| № | Topic | Task for ISW | Hours | Marks | Reference | Deadline |
|-----------------|---|----------------------------|--------------|--------------|-------------------|-----------------|
| 1 module | | | | | | |
| 1. 1 | Anatomical features of the rectum. Paraproctitis, Fissure and prolapse clinic diagnosis treatment. | Literature review | 5 | 8 | Main literatures: | 1-week |
| 2. | Anatomy of the small and large intestine. Inflammatory ulcerative bowel disease. | Creative work | 5 | 8 | 1,2,3,4 | 1-week |
| 3. | Fistulas of the gastrointestinal tract. Clinic diagnostics, treatment. | Video presentation | 5 | 8 | 1,2,3,4 | 2-week |
| 4. | Terminal ileitis. Clinic , diagnostics, treatment. | Create case-studies | 4 | 8 | 1,2,3,4 | 2-week |
| 5. | Megacolon. Crohn's disease Etiology, pathogenesis, clinical picture, diagnosis, treatment. | Creative work | 5 | 8 | 1,2,3,4 | 3-week |
| 6. | Obesity. Surgical treatment. | Video presentation | 5 | 8 | 1,2,3,4 | 3-week |
| 7. | Hirschsprung 's disease , classification, etiopathogenesis , clinical picture, diagnosis, treatment. | Ppt presantation | 5 | 8 | 1,2,3,4 | 4-week |
| 8. | Diagnostics, differential diagnostics , complications of hemorrhoids. | Creative video | 5 | 8 | 1,2,3,4 | 5-week |
| 9. 1 | Systemic response syndrome in appendicitis. Surgical | Creative video | 5 | 8 | Main 1,2,3,4 | 1-week |

| | | | | | | |
|------|---|------------------------------------|-----------|----------|--------------|--------|
| | treatment tactics for complicated appendicitis. | | | | | |
| 10.2 | Types of colon resection. | Work on the colon simulator | 5 | 8 | Main 1,2,3,4 | 7-week |
| 11. | Postoperative care after hemicolectomy. Colostomy care. | Work on the colon simulator | 5 | 8 | 1,2,3,4 | 8-week |
| | Total:1 module | | 54 | 8 | | |

| <i>II- option</i> | Task | Execution form | Quantaty of a/h | Points | Deadline |
|--|--|--|-----------------|----------|----------------------------|
| 1. Article Scientific work, research work | Write an article and publish it in "Bulletin of Osh State University" , in international medical journals | Free form of article submission | 81 | 5 | During the semester |

Plan of organization ISW(teacher based) for lecturer

| № | Topic | Task for ISW | Hours | Assessm ent tools | Marks | Reference | Task for ISW |
|---|---------------------------------------|----------------------------|-------|-------------------|---------|--------------|--------------|
| 1 | Rare forms of appendicitis | Ppt presant ation | 2 | Dimedus | 8 | Main 1,2,3,4 | 3-week |
| 2 | Complications of colon diverticulosis | Video presen tation | 2 | Dimedus | 8 | Main 1,2,3,4 | 5-week |
| | Total | | 4 | | 8 marks | | |

Plan of organization ISW for practical classes

| № | Topic | Task for ISW | Hours | Assess ment tools | Marks | Ссылка | Room | Task for ISW |
|----|-------------------------------------|---|-------|-------------------|-------|---|------|-------------------|
| 1 | <i>Operation «hem icole ctomy».</i> | Show how to place sutures on the intestine. | 2 | present ation | 6 | Bailey & Love Short practice of surgery 28th edition(2023) https://www.routledge.com/Bailey--Loves-Short-Practice-of-Surgery---28th-Edition/OConnell-McCaskie-Sayers/p/book/9780367548117 | 403 | 30.09 - 05.10 .24 |
| 2. | <i>Rare form of</i> | PPT | 2 | present ation | 6 | Bailey & Love Short practice of surgery 28th edition(2023) https://www.routledge.com/Bailey--Loves-Short-Practice-of-Surgery---28th-Edition/OConnell-McCaskie-Sayers/p/book/9780367548117 | 403 | 21.10 - 26.10 |

| | | | | | | | | |
|--|-------------------------------|--|--|--|--|--|--|-----|
| | <i>apen dicite s.</i> | | | | | iley--Loves-Short-Practice-of-Surgery---28th-Edition/OConnell-McCaskie-Sayers/p/book/9780367548117 | | .24 |
|--|-------------------------------|--|--|--|--|--|--|-----|

| Points | 1-3 | 4-5 | 6-8 |
|----------------------------|---------------------------------|---|---|
| Create case-studies | More than 30% Plagiarism | Less than 30 % is plagiarism | Your own work |
| | Table is not organized | Table is organized but not completely | be organized around and related directly to the topic |
| | Submitted late | One week late | Submitted on time |
| | Information given partially | Includes all steps of dx with some mistakes | Includes all steps of dx and given answers correctly |
| | | | |

| Points | 1-3 | 4-5 | 6-8 |
|-------------------------|-----------------------------|---|---|
| PPT presentation | Table is not organized | Table is organized but not completely | be organized around and related directly to the topic |
| | Submitted late | One week late | Submitted on time |
| | Information given partially | Includes all steps of dx with some mistakes | Includes all steps of dx and given answers correctly |
| | | | |

| Points | 1-3 | 4-5 | 6-8 |
|--------------------------|-----------------------------|---|---|
| Literature review | More than 30% Plagiarism | Less than 30 % is plagiarism | Your own work |
| | Table is not organized | Table is organized but not completely | be organized around and related directly to the topic |
| | Submitted late | One week late | Submitted on time |
| | Information given partially | Includes all steps of dx with some mistakes | Includes all steps of dx and given answers correctly |

| Points | 1-3 | 4-5 | 6-8 |
|----------------------------------|-----------------------------|---|---|
| Creative work (hand made) | Table is not organized | Table is organized but not completely | be organized around and related directly to the topic |
| | Submitted late | One week late | Submitted on time |
| | Information given partially | Includes all steps of dx with some mistakes | Includes all steps of dx and given answers correctly |

| Points | 1-3 | 4-5 | 6-8 |
|-----------------------|-----------------------------|---|---|
| Creative video | More than 30% Plagiarism | Less than 30 % is plagiarism | Your own work |
| | Table is not organized | Table is organized but not completely | be organized around and related directly to the topic |
| | Submitted late | One week late | Submitted on time |
| | Information given partially | Includes all steps of dx with some mistakes | Includes all steps of dx and given answers correctly |

1-Module - 50 marks

- ✓ ISW - 4-marks
- ✓ ISWT- 4-marks
- ✓ Practical classes, current control- 4-marks
- *Lecturer current control- 4 marks
- ✓ CURRENT control - 9 marks

Total 50 marks

Final exam –50 marks

Course Policy

The organization of the educational process is carried out on the basis of a credit-modular system according to the requirements, with the use of a modular rating system for assessing the progress of students using the AVN information system.

Requirements:

- a) Mandatory attendance;
- b) Activity during lectures and practical classes;
- c) Preparation for classes, homework and ISW.

Unacceptably:

- a) being Late and leaving school;
- b) Use of cell phones during classes;
- c) Untimely delivery of tasks.

Bonus points consist of activity in the classroom, performing extracurricular independent work by students, scientific work, attendance of lectures.

Penalty points consist of points received for dishonesty, inactivity, absenteeism, etc.

Bonus points.

1. Making the presentations – 2 points.
2. Making the posters – 3 points.
3. Making the tables: -1 point.
4. Preparation of abstract messages – 1 point.
5. Systematic active work during the semester in practical classes and in lectures - 3 points.
6. 100% attendance-2 points
7. Participation in the work of the SRC - 5 points
8. Preparation of the report and presentation at student conferences - 8 points

Penalty point.

1. Regular lateness to classes – 1 point.
2. Missed lectures and classes - 2 points

3. Disrespectful attitude to medical personnel, patients, teacher-3 points.
 5. Smoking on the territory of the medical institution – 3 points.
 6. Untidy appearance, lack of Bathrobe, cap, replacement shoes - 1 point.
 7. Damage to the Cathedral property - 3 points
 8. A systematic lack of preparation for practical classes – 2 points.
 9. Violation of discipline classes - 1 point
- Note: a student can score a maximum of 10 bonus points and penalty points not more than 10 (per semester).

9. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF THE COURSE

| name | author | year of issue | address |
|--|--|---|---|
| Main literature | | | |
| Bailey & Love's Short Practice of Surgery | Norman S. Williams P.Ronan O Connell Andrew W.Mc.Caskie | 27 edition (March 31, 2018) | https://www.amazon.com/Bailey-Loves-Short-Practice-Surgery-dp-1498796508/dp/1498796508/ref=dp_ob_title_bk |
| Textbook of Surgety | somen Das | July 2010 | https://ru.scribd.com/document/416045546/A-Concise-Textbook-of-Surgery-S-Das-6th-edition-pdf |
| Diagnostic Imaging | by 1) Ralph Weissleder 2) Jack Wittenberg 3) Mukesh Mgh Harisinghani , 4) John W. Chen, MD | Wiley-Blackwell; 5th edition (August 2, 2011) | https://libgen.is/book/bibtex.php?md5=6F6E129927CF6768BFD8238C2934E127 |
| A Hand book of surgery | Dr mansi sharma | Edition: 2018 | https://www.exoticindia.com/m/book/details/book/handbook-of-surgery-NAT031/ |
| Essentials of surgery | Muhammad shamim | October 16, 2020 | https://medicalstudyzone.com/essentials-of-surgery-muhammad-shamim-pdf-free-download/ |

Software and Internet Resources:

1. MedLine - [http:// www.medline](http://www.medline) - catalog.ru
2. ScientificNefworh - [http:// nature . web . ru](http://nature.web.ru)
3. Medical books - <http://www.medicbooks.info>

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