



# INTERNATIONAL SCHOOL OF MEDICINE

## SYLLABUS

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| <b>Program:</b>   | <b>General medicine</b>   |
| <b>Qualification of the graduate:</b>                                       | <b>General practitioner / Medical doctor</b>  |
| <b>Year:</b>  | <b>2023-2024</b>  |
| <b>Semester:</b>  | <b>5</b>  |
| <b>Course duration:</b>   | <b>6 weeks</b>  |
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| <b>Instructor/Assistant/Professor</b>                                       | <b>Name: Zhylykchieva Ch. S., Totuyeva G.A., Taalaibekova A.T.</b>  |
| <b>Department:</b>  | <b>Pediatrics, obstetrics and gynecology</b>  |
| <b>Day and Time for consultation:</b>                                       | <b>Monday, 14:00</b>  |
| <b>Classroom:</b>   | <b>413, 414</b>   |
| <b>e-mail:</b>  | <b><a href="mailto:Dr.avperi1994@gmail.com">Dr.avperi1994@gmail.com</a>, <a href="mailto:gtotuyeva@mail.ru">gtotuyeva@mail.ru</a>,</b>  |
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| <b>Course Title:</b>  | <b>Physiological bstetrics and gynecology</b>   |
| <b>Must/Elective:</b>   | <b>Must</b>   |
| <b>Credit/Hours:</b>  | <b>3 credits</b>  |
| <b>Course Description:</b>  | <b>Obstetrics and gynecology refers to the main clinical disciplines of medical education. The main goal of the obstetrics program is to form students' clinical thinking, the ability to interpret the data of anamnesis, clinic, additional research methods for correct diagnosis and therapy.</b>                                 |
| <b>Course Objectives:</b>   | <b>To form students' general understanding and knowledge about the morphology, physiology and pathology of the reproductive system, the basics of physical examination of patients with diseases of the reproductive system, as well as the study of the physiology of childbirth, examination of pregnant women, women in labor.</b> |
| <b>Prerequisites:</b>   | <b>topographic anatomy, normal physiology, pathological anatomy, pathological physiology, histology, pharmacology, microbiology</b>   |
| <b>Post-requisites:</b>   | <b>obstetrics and gynecology, emergency conditions in obstetrics and gynecology, operative obstetrics and gynecology.</b>   |
| <b>Learning Outcomes:<br/>(expected knowledge &amp; ability at the end)</b> | <p><b>A graduate of the direction "Obstetrics and gynecology - reproductive system", in accordance with the goals of the main educational program and the tasks of professional activity.</b></p> <p><b>After studying this course, the student will be able to analyze and interpret a set of clinical data, laboratory</b></p>      |

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|                                       | <p>indicators and instrumental diagnostic methods for diagnosing diseases and determining therapy tactics.</p> <p>The student will be able to exercise the professional competencies provided for by the basic educational program.</p>   |
| Basic references:                     | <ol style="list-style-type: none"> <li>1. Haker N.F. et al. Essentials of Obstetrics and Gynecology. 5 th ed. 2010.</li> <li>2. Louise C Kenny. Obstetrics by ten teachers. 20 th ed. 2017.</li> <li>3. Asmita Muthal Rathore, Poonam Sachdeva, Swarai Batra. Obstetrics Protocols for Labor Ward Management. 2th Ed., 2017.</li> <li>4. K. Farington. Labour ward management. Royal College of Physicians. 5 th ed. 2019.</li> <li>5. Obstetric Guidelines and Labour Ward Protocols. UNFPA. 4th ed. 2016.</li> <li>6. Gynaecology by Ten Teachers. H. Bickerstaff, Louise C Kenny. 20th ed. 2017.</li> <li>7. Textbook of gynaecology D.C.Dutta 6 th ed. 2013.</li> <li>8. Textbook of gynaecology Shaw. 17th edition. 2020.</li> </ol> |
| Supplementary Textbook and Materials: | <ol style="list-style-type: none"> <li>1. Nelson. Textbook of Pediatrics. 21th ed. 2019.</li> <li>2. Bates' Guide to Physical Examination and History Taking. 13th ed.2019</li> <li>3. Pervez Akber Khan «Basis of Pediatrics» 9th ed. 2019.</li> <li>4. Ghai Essentials of Pediatrics. 9th ed. O.P. Ghai. 2019.</li> </ol> <p>Links</p> <ul style="list-style-type: none"> <li>- Cochrane.org, sciencedirect.com.</li> <li>- www.kyrlibnet.kg.</li> <li>- www.iprbookshop.ru.</li> <li>- www.consilium-medicum.com.</li> <li>- www.medportal.ru.</li> </ul>  |

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|  | <ul style="list-style-type: none"> <li>- <a href="http://www.studmedlib.ru">www.studmedlib.ru</a></li> <li>- <a href="http://www.mediliter.ru">www.mediliter.ru</a>, <a href="http://www.meduniver.com">www.meduniver.com</a>,</li> <li>- <a href="http://kingmed.info">kingmed.info</a>, <a href="http://vk.com">vk.com</a>, <a href="http://itweek.ru">itweek.ru</a>, <a href="http://medlit.biz">medlit.biz</a></li> </ul> |
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## COURSE POLICY AND EVALUATION CRITERIA:

| Type of control (current, milestone, final) | Control form                                 | Assessment of learning outcomes |
|---|--|---------------------------------|
| Attendance                                  | For one missed lesson minus 2 points         | 20 points                       |
| Current control                             | Oral survey, written work                    | 20 points                       |
| IWS+IWW                                     | Performing assignments, work with literature | 20 points                       |
| Milestone control (modul submission)        | Testing, control tasks                       | 40 points                       |
| Final control (differential test)           | Conversation, examination (test.edu.kg)      | 100 points                      |

| Scale of correspondence between grades and scores on the final control (exam) |                  |
|---|------------------|
| Score   | Grade            |
| 90-100  | «excellent»      |
| 76-89   | «good»           |
| 60-75   | «satisfactory»   |
| 0-59  | «unsatisfactory» |

| Course Plan | Lecture | Physiological obstetrics and gynecology   |
|-------------|---------|---|
| 1 week      | Lecture | 1. Organizational problems of Obstetrics and Gynecology. Obstetric terminology and concepts. The menstrual cycle. |
| 2 week      | Lecture | 2. Obstetric and gynaecological examination.  |
| 3 week      | Lecture | 3. Physiology of pregnancy. Intrauterine fetal physiology.  |
| 4 week      | Lecture | 4. Physiological Labour (delivery).   |
| 5 week      | Lecture | 5. Physiological postpartum (puerperal) period. Physiology of breastfeeding.                                      |
| 6 week      | Lecture | 6. Introduction to gynecology. Non-specific inflammation of the female genital organs.                            |

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|--------|---------|-------------------------------------|
| 7 week | Lecture | 7. Disorder of the menstrual cycle. |
| 8 week | Lecture | 8. Contraception.                   |
| 9 week | Lecture | 9. Infertility (female, male).      |

| Course Plan | Practice | Reproductive system/Obstetrics and gynecology  |
|-------------|----------|--|
| 1 week      | Practice | 1. Organizational problems of Obstetrics and Gynecology. The menstrual cycle.                                |
| 1 week      | Practice | 2. Obstetrical and gynecological examination.  |
| 2 week      | Practice | 3. Conception / implantation. Fetal physiology, circulation.   |
| 2 week      | Practice | 4. Physiology of pregnancy. Early development of human embryo.   |
| 3 week      | Practice | 5. Amniotic fluid – formation, function. Structure and anomalies of placenta. Intrauterine fetal physiology. |
| 3 week      | Practice | 6. Physiological changes during pregnancy. Diagnosis of pregnancy  |
| 4 week      | Practice | 7. Antenatal care. Management of physiological labor by clinical protocols.                                  |
| 4 week      | Practice | 8. Physiological labour (delivery). Partogram.   |
| 5 week      | Practice | 9. First stage of labour. Mechanism of labour. Analgesia (Pain relief) in labour.                            |
| 5 week      | Practice | 10. Second stage of labour.  |
| 6 week      | Practice | 11. Third stage of labour. Active management of third stage of labour.                                       |
| 6 week      | Practice | 12. Physiological postpartum (puerperal) period.   |
| 7 week      | Practice | 13. Physiology of breastfeeding.   |
| 7 week      | Practice | 14. Introduction to gynecology. Non-specific inflammation of the female genital organs.                      |
| 8 week      | Practice | 15. Disorder of the menstrual cycle. Amenorrhea.   |
| 8 week      | Practice | 16. Abnormal uterine bleeding.   |

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|--------|----------|---------------------------------|
| 9 week | Practice | 17. Contraception.              |
| 9 week | Practice | 18. Infertility (female, male). |