

DISCIPLINE SHEET**ACADEMIC YEAR****2022 -- 2023****1. DATA ABOUT THE STUDY PROGRAM**

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	8
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program / Qualification	MEDICINE

2. DATA ABOUT THE DISCIPLINE

2.1 DISCIPLINE NAME		REPRODUCTIVE HEALTH		
2.2. Discipline code		MED6112.3		
2.3 The holder of course activities		Stefania Tudorache		
2.4 The holder of seminar activities		-		
2.5. Academic degree		Associate Professor		
2.6. Employment (base norm/associate)		Base norm		
2.7. Year of study	VI	2.8. Semester	I	2.9. Course type (content) 2.10. Regime of discipline (compulsoriness)
				CRD

3. THE ESTIMATED TOTAL TIME (teaching hours per semester)

3.1 Number of hours per week	1	3.2 From which course	1	3.3 seminary/laboratory	-
3.4 Total hours in curriculum	14	3.5 From which course	14	3.6 seminary/laboratory	-
Time found distribution (hours)					
Study from manual, course support, bibliography and notes					10
Additional documentation in the library, specialized electronic platforms and, on the field					20
Training seminars / labs, homework, reports, portfolios, and essays					-
Tutoring					-
Examinations					-
Other activities, counselling, student scientific programs					6
3.7 Total of hours of individual study	36				
3.9 Total of hours per semester	50				
3.10 Number of credits	2				

4. PREREQUISITES (where appropriate)

4.1 curriculum	-
4.2 competency	-

5. CONDITIONS (where appropriate)

5.1. of course deployment	Classroom with projectors/ computing platform (online version)
5.2 of seminary/ lab deployment	-

6. SPECIFIC COMPETENCES AQUIRED

PROFESSIONAL	C1 – In-depth knowledge about the Reproductive Health field.
	C2 – Origination (and principles for implementation) of an adequate plan for a specific reproductive health disorder.
	C3 – Assessment of the disease risk, assessment of collective / individual risk factors, of the specific condition context, and the identification of the prophylactic management.
	C4 – Communitarian approaches of the health conditions, with regard to the socio-economic and cultural particularities.
	C5 – Initiation and/or progress a specialization or scientific research activity in the field of Reproductive Health.

TRANSVERSAL COMPETENCES	<p>TC1. Autonomy and responsibility</p> <ul style="list-style-type: none"> • acquirement of moral standards, civic and professional principles: becoming an honest, empathic and understanding professional, able to help the patients and interested in the community development; • knowledge, understanding and respect for moral and ethical principles in medical profession; • ability to recognize a condition and to identify adequate solutions to treat it; <p>TC2. Social interaction</p> <ul style="list-style-type: none"> • respect diversity and multiculturalism; • learn/improve to develop team-work abilities; • communication skills, the needs and work modalities in teams (demonstrated verbally/written); • involvement in voluntary activities. <p>TC3. Personal and professional development</p> <ul style="list-style-type: none"> • desire to learn and continuing to update his/her medical knowledge; • understanding the importance of individual study, as a base of personal autonomy and professional development; • the ability to use information and communication technologies.
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7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	<ol style="list-style-type: none"> 1. Identify the leading indicators and program components of reproductive health 2. Describe disparities in reproductive health outcomes between countries and regions of the world 3. Discuss major challenges to improving reproductive health 4. Describe effective interventions to improve reproductive health
7.2 The specific objectives of the discipline	<p>The Reproductive Health discipline aims to develop students' important skills in preventive medicine, in medical diagnosis and public health procedures. The following premises concur to this specific objective: an upgraded curriculum according the European quality standards, improved methods in teaching and evaluation, the involvement of the students in research.</p> <p>At the end of the stages, the student should be able to express:</p> <p>COGNITIVE ABILITIES:</p> <ul style="list-style-type: none"> - the interventions in reproductive health; - the principle of population and demography - the sexual and reproductive health and human rights of people living with HIV - the international human rights framework, sexual and reproductive rights - the violence against women/gender-based violence as a public health problem - the evidence-based management of pre-eclampsia and eclampsia - the interpretation of diagrams and other graphic representations in maternal mortality and correlations; - the evidence-based management of postpartum hemorrhage - the standards for maternal and neonatal care - the perinatal mental health problems: nature, prevalence, determinants and responses - the maternal infections - the obstetrical fistula - the STI epidemics, case management and prevention/controlling STI - the comprehensive Visual Inspection of the Cervix with Acetic Acid (VIA) and Lugol's Iodine (VILI) - the updates in contraceptive technology - the use of family planning guidelines/counselling and tools - the adolescent health's principles and the adolescent sexual and reproductive health - the principles of community genetics - the development and application of work hypotheses; <p>PRACTICAL ABILITIES</p> <ul style="list-style-type: none"> - to collaborate efficiently with his/hers peers, to interpret the medical data, to implement a protocol, to register, communicate and discuss the results within the medical staff; - to establish and sustain a medical diagnosis, - to elaborate a family planning file; - to know (obstetrics and gynaecology) data related to reproductive health - to interpret findings; - to assign a reproductive health risk; - to establish and sustain a mental health problem; - to interpret a vaginal smear exam and a visual inspection of the cervix; - to interpret cervico-vaginal exams (Pap-smears, HPV-testing);

	<ul style="list-style-type: none"> - to identify risk-factors and prophylaxis interventions in reproductive health <p>ATTITUDES</p> <ul style="list-style-type: none"> - opening to acquire moral and ethical standards, - formation of professional and civic attitudes that assure for honesty, collaboration and understanding for human needs, - ability to interact with patients, - assistance and community development; - understanding and respect for professional ethics principles; - recognition of an emerging problem and identification of solutions to solve it; - respect for diversity and multiculturality; - demonstration of team-work abilities: needs, work flow, results and communication within the medical team; - implication in voluntary actions, involvement in essential community issues; - opening for continuous learning and education; - performing individual study as the base for autonomy and personal development; - optimal and creative valorisation of the self-potential in group activities; - proper use of the information technology and communication; - initiative and involvement in educative and scientific activities of the discipline.
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8. CONTENTS

8. 1. Course (content units)	Hours
Theme 1: Introduction to Reproductive Health & Safe Motherhood. The holistic vision in Reproductive Health.	2
Theme 2: Sexual and reproductive rights. The sexual and reproductive health and human rights of people living with HIV. The international human rights framework and sexual and reproductive rights. Violence against women/gender-based violence as a public health problem.	2
Theme 3: The evidence-based management of pre-eclampsia and eclampsia. The evidence-based management of postpartum hemorrhage. Standards for maternal and neonatal care. Perinatal mental health problems: nature, prevalence, determinants and responses. Maternal infections. Obstetric fistula	2
Theme 4: The sexually transmitted infections epidemics. Epidemiology of STIs. Controlling STIs: prevention and care. STI: case management. Sinergy between HIV and other STIs. The need for STIs vaccines. Colposcopy, comprehensive Visual Inspection of the Cervix with Acetic Acid (VIA) and Lugol's Iodine (VILI). Cervical cancer prevention. Cervical cancer screening.	2
Theme 5: Family planning. Principles of population and demography. Contraceptive technology. WHO's family planning guidelines and tools. Family planning counselling.	2
Theme 6: Adolescent health: sexual health and reproductive health.	2
Theme 7: Community genetics. Single gene disorders. Reproductive Health and chromosomes abnormalities. Polygenic inheritance. Genetic counselling. Consanguineous marriages: trends, impact on health and counselling. Prenatal genetic screening and diagnosis. Primary prevention of congenital disorders.	2

BIBLIOGRAPHY

1. **Course** delivered.
2. **Esențialul în Colposcopie**, Sub redacția Dominic Gabriel Iliescu, Ștefania Tudorache, Autori: Dominic Gabriel Iliescu, Ștefania Tudorache, Florin Ion Cornițescu, Florentina Tanase, Răzvan Grigoraș Căpitănescu, Alexandru Comanescu, Iuliana Ceaușu, Claudiu Marginean, Liliana Novac, Nicolae Cernea, Simionescu Cristiana. Editura Medicală universitară, 2016, ISBN: 978-973-106-277-8
3. **Ecografia în Ginecologie Actualități**, sub redacția Ștefania Tudorache, Dominic Gabriel Iliescu. Autori: Ștefania Tudorache, Dominic Gabriel Iliescu, Ciprian Laurențiu Pătru, Maria Șorop-Florea, Roxana Drăgușin, Lucian Zorilă, Cristian Marinaș, Florentina Tănase, Liliana Novac, Nicolae Cernea. Editura Medicală Universitară Craiova 2016, ISBN 978-973-106-279-2
4. Williams **Obstetrics**, F. Cunningham, Kenneth Leveno, Steven Bloom, Catherine Spong, Jodi Jodi Dashe, sub McGraw-Hill Education, 2016;
Chapter 41. Obstetrical Haemorrhage. Puerperal hematomas, Uterine rupture, Placental abruption, Placenta previa page. 790-804;
5. Williams **Obstetrics**. Hoffman, Barbara L; Horsager, Robyn; Roberts, Scott, (Professor of obstetrics & gynecology). 24th edition. New York : McGraw-Hill Education, [2014]
Prenatal Diagnosis and Fetal Therapy, Chapter 13, pg. 256-287.
6. Williams **Gynecology**, 3rd Edition, Barbara L. Hoffman, John O. Schorge, Karen D. Bradshaw, Lisa M. Halvorson, Joseph I. Schaffer, Marlene M. Corton. New York : McGraw-Hill Education.
Intraoperative Considerations, Chapter 40. pg. 307-320.\
7. Ștefania Tudorache, Dominic Gabriel Iliescu, Cristiana Simionescu, Nicolae Cernea, **Ecografia în Obstetrică – ATLAS**. Editura Medicală Universitară, Craiova, 2016, nr. pag. 248, ISBN 978-973-106-278-5
8. Dominic Gabriel Iliescu, Ștefania Tudorache, Cornițescu Florin, Ciprian Laurențiu Pătru, Răzvan Grigoraș Căpitănescu, Florentina Tanase, Nicolae Cernea, **Nursing în Obstetrică și Ginecologie**. Editura Medicală Universitară Craiova, 2016, ISBN 978-973-106-276-1
9. **WHO guidelines**: maternal, reproductive and women's health, 2017.
http://www.who.int/publications/guidelines/reproductive_health/en/

8.2 Practical work (topics / themes)

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9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

- Reproduction Health is a fundamental discipline, mandatory for a student in his preparation for becoming a doctor.
- The knowledges and the attitudes learned on this discipline are offering the basis for understanding and learning in prevention, diagnosis, healing and recovery in the main obstetrics and gynecology conditions.

10. METHODOLOGICAL LANDMARKS

Types of activity	Techniques of teaching / learning, materials, resources: lecture, interactive group work, learning based problems / projects audio-video recordings, etc.
Course	In case of special situations (alert states, emergency states, other types of situations that limit the physical presence of people) the activity can be carried out online using computer platforms approved by the faculty / university. The online education process will be adapted accordingly to ensure the fulfillment of all the objectives set out in the discipline sheet.
Practical work	-
Individual study	For the online version: lecture, debate, problematization based on materials provided in advance.

11. RECOVERY PROGRAM

Absences recoveries	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
	3	Obstetrics and Gynecology Clinic	Last week of the semester	Lecture holder	Chronologically, two home works/day
Schedule consultations / Students' Scientific Program	2+2 hours/week	Obstetrics and Gynecology Clinic	Weekly	Lecture holder	Home work of the week
Program for students poorly trained	2 hours/week	Obstetrics and Gynecology Clinic	Weekly	Lecture holder	Home work of the week

12. ASSESSMENT

Activity	Types of assessment	Methods of evaluation	Percentage from final grade
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Lecture	Formative assessment through essays, projects and surveys during the semester Summative assessment during the exam	Multiple Choice Questions Answering System (MCQ)/MCQ 2.	80%
Practical work	-	-	
Periodic assessment			10%
Assessment of individual activity			10%
Minimum performance standard	At least 50% for each component of the evaluation		
13. GUIDANCE AND COUNSELLING PROGRAMS			
Professional guidance and counselling programs (2 hours/monthly)			
Scheduling the hours	Location	In charge	
Every last Friday of the month	Lecture room 8 th floor, Ob-Gyn Department	Lecture holder	

Endorsement date in the department: 04.09.2022

Department Director,
Prof. Nicolae CERNEA

Study program coordinator,
Prof. Marius Eugen CIUREA

Discipline Holder,
Assoc. Prof. Ștefania TUDORACHE