

Course Specifications

Course Title:	Life Cycle III (Block 4.3)
Course Code:	1000403
Program:	Bachelor of Medicine, Bachelor of Surgery (MBBS)
Department:	Pediatrics
College:	Medicine
Institution:	King Faisal University

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A. Course Identification

1. Credit hours: 6			
2. Course type			
a.	University <input type="checkbox"/>	College <input checked="" type="checkbox"/>	Department <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
3. Level/year at which this course is offered: 4th year			
4. Pre-requisites for this course (if any): Pass in all blocks and professional development lines – year 1, year 2 and year 3			
5. Co-requisites for this course (if any): Non			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	92	100%
2	Blended		
3	E-learning		
4	Correspondence		
5	Other		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	
2	Laboratory/Studio: (clinical skill training)	40
3	Tutorial	12
4	Others (specify): bed side teaching	40
	Total	92
Other Learning Hours*		
1	Study	104
2	Assignments	48
3	Library	
4	Projects/Research Essays/Theses	
5	Others: (preparing cases for bed side teaching)	16
	Total	168

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

Communicate with patients and being able to diagnose and manage clinical conditions and diseases related to Gynecology/ Obstetrics and Pediatric within the context of professionalism and team work.

2. Course Main Objective

- Train students to take detail history of patient complaint.
- Train students to do proper clinical examination on manikin and then on real patients.
- Practice doing clinical reasoning.
- Request suitable investigations related to patients' clinical condition.
- Put treatment plan and explain it to the patient.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Describe the normal and the disturbed structural of organs and body system in children and female genital tract.	K1
1.2	Recite the basic physiological aspects and their dysregulation related to menstrual cycle, female hormones, conception, pregnancy and body systems in children.	K1
1.3	Describe the etiology, epidemiology, pathophysiology, clinical presentation, complications, investigations and treatment of common disorders related to gynecology/ obstetrics and pediatrics.	K3
2	Skills :	
2.1	Interpret information (symptoms, signs and investigations) to diagnose common clinical conditions in gynecology/ obstetrics and pediatric	S1
2.2	Communicate with patients and take a detailed clinical history in a systematic way.	S1
2.3	Perform a complete and a safe physical examination.	S1
2.4	Formulate a list of differential diagnosis based on integration of the history and clinical examination findings.	S1
2.5	Perform simple diagnostic, interventional and therapeutic procedures (both safely & effectively), e.g. child birth, cervical swab, urethral catheterization in women.	S2
2.6	Prescribe treatment using/applying up-to-date and evidence based lines of treatment (both pharmacological and non-pharmacological) for common clinical problems.	S3
3	Competence:	
3.1	Provide safe and professional clinical management of patients related to Gynecology/ Obstetrics and Pediatrics.	C1
3.2	Work effectively within a health care team to achieve optimal patient care.	C3
3.3	Facilitate the doctor-patient relationship through effective communication skills within the context of patient care and cooperation with other care providers.	C3

C. Course Content

NO.	List of Topics	Contact hours
1.	Disorders of Menstrual Cycle- Infections.	6
2.	Utero-vaginal prolapse- Urinary Incontinence- Contraception: - Infertility.	8
3.	Benign tumors- Cancer: risk factors; staging; investigations and plan of treatment.	7
4.	Operations: Dilatation n Curettage (D & C), Laparoscopy in gynecology, Hysterectomy, Bartholin cyst; abscess- Cesarean section, Forceps & Ventouse, Uterine curettage.	8
5.	Antenatal care - DM with pregnancy- hypertension with pregnancy - Fetal assessment tools - Cardiotocography -antepartum hemorrhage.	13
6.	Normal labor- PROM- Preterm labor- Obstructed labor-PPH.	11
Pediatrics		
7.	Nutrition- Disorders of development.	8
8.	Anemia and hyperbilirubinemia in newborn and children.	6
9.	Infections (fever with rash and Fever without focus)- Acute gastroenteritis-UTI.	5
10.	Lymphadenopathy- Immunology- Diabetes mellitus.	7
11.	Abdominal Pain- Control of elimination- Substance abuse and poisoning.	5
12.	Bronchial asthma- Croup- Cystic fibrosis- Foreign Body Aspiration-acute epiglottitis	8
Total		92

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Describe the normal and the disturbed structural properties of organs and body system in children and female genital tract.	<ul style="list-style-type: none"> Consultation session Interactive tutorial Learning (SDL) 	<ul style="list-style-type: none"> MCQs problem solving
1.2	Recite the basic physiological aspects and their dysregulation related to menstrual cycle, female hormones, conception, pregnancy and body systems in children.	<ul style="list-style-type: none"> Consultation session Interactive tutorial Learning (SDL) 	<ul style="list-style-type: none"> MCQs problem solving
1.3	Describe the etiology, epidemiology, pathophysiology, clinical presentation, complications, investigations and treatment of common disorders related gynecology/ obstetrics and pediatrics:	<ul style="list-style-type: none"> Consultation session Interactive tutorial Learning (SDL) 	<ul style="list-style-type: none"> MCQs problem solving
2.0	Skills		
2.1	Interpret information (symptoms, signs and investigations) to diagnose common	<ul style="list-style-type: none"> Consultation session Bed side teaching 	<ul style="list-style-type: none"> MCQs problem solving

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	clinical conditions in gynecology/obstetrics and pediatric.	<ul style="list-style-type: none"> Interactive tutorial 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session Case based discussion during clerkship OSCE
2.2	Communicate with patients and take a detailed clinical history in a systematic way.	<ul style="list-style-type: none"> Consultation session Bed side teaching 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session Case based discussion during clerkship OSCE
2.3	Perform a complete and a safe physical examination.	<ul style="list-style-type: none"> Consultation session Bed side teaching 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session Case based discussion during clerkship OSCE
2.4	Formulate a list of differential diagnosis based on integration of the history and clinical examination findings.	<ul style="list-style-type: none"> Consultation session Bed side teaching Interactive tutorial 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session Case based discussion during clerkship OSCE
2.5	Perform simple diagnostic, interventional and therapeutic procedures (both safely & effectively), e.g. child birth, cervical swab, urethral catheterization in women.	<ul style="list-style-type: none"> Consultation session 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session OSCE
2.6	Prescribe treatment using/applying up-to-date and evidence based lines of treatment (both pharmacological and non-pharmacological) for common clinical problems.	<ul style="list-style-type: none"> Consultation session Interactive tutorial 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session OSCE
3.0	Competence		
3.1	Provide safe and professional clinical management of patients related to Gynecology/ Obstetrics and Pediatrics.	<ul style="list-style-type: none"> Consultation session Bed side teaching 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session Case based discussion during clerkship OSCE
3.2	Work effectively within a health care team to achieve optimal patient care.	<ul style="list-style-type: none"> Consultation session Bed side teaching 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
			<ul style="list-style-type: none"> Case based discussion during clerkship OSCE
3.3	Facilitate the doctor-patient relationship through effective communication skills within the context of patient care and cooperation with other care providers.	<ul style="list-style-type: none"> Consultation session Bed side teaching 	<ul style="list-style-type: none"> Complete consultation Group dynamics in consultation session Case based discussion during clerkship OSCE

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Case based discussion during clerkship	3	15
2	Mid-block MCQs	4	10
3	Mid-block problem solving	4	5
4	Case based discussion during clerkship	5 & 7	15
5	Final MCQs	8	20
6	Final problem solving	8	5
7	OSCE	8	30

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

Students in need of academic accommodations may consult the faculty during office hours and are required to give reasonable notice prior to requesting an accommodation.

F. Learning Resources and Facilities

1. Learning Resources

- Mangan J, Lalwani C, Butcher T. Global logistics and supply chain management. Hoboken, N.J.: Wiley; 2011.
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Required Textbooks	<ul style="list-style-type: none"> Beckmann C, Ling F, Barzansky B, Herbert W, Laube D and Smith, R.P. Obstetrics and Gynecology. Lippincott Williams & Wilkins / ISBN 9781451144314 / 8th revised edition / 2013. Marcdante K, Kliegman R, Jenson H and Behrman R. Nelson Essentials of Pediatrics. Saunders Elsevier / ISBN 9781437706437 / 8th edition / 2010.
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Essential References Materials	<ol style="list-style-type: none"> 1) Block 4.3 “life cycle 3” Student Manual First Edition 2015 2) Communication skills Manual year 3 3) All Block 3.1 lectures related to pediatric or gynecologic oncology 4) All Block 3.3 and 3.4 lectures/practical related to gynecology & obstetrics and Pediatrics 5) Lynn B et al. Bates' Guide to Physical Examination and History-Taking. Lippincott Williams & Wilkins / ISBN 978-1609137625 / 11th edition, 2012. <p>Or</p> <p>Graham D., Fiona N. and Colin R. Macleod's Clinical Examination. Churchill Livingstone / ISBN-13: 978-0702047282 / 13th edition 2013</p> <p>6. British National Formulary, Royal Pharmaceutical Society Pharmaceutical Press/ ISBN 978085369920 / 61st edition 2011</p>
Electronic Materials	<p>NICE Guidelines: https://www.nice.org.uk/guidance/published?type=guidelines – the required guidelines according to topic are mentioned in the student manual with each session</p>
Other Learning Materials	<p>Other learning material such as computer-based programs/CD, professional standards or regulations and software.</p> <p>Instructional / Educational VIDEOS: Bates’ visual guide to physical examination: Bates Home page for videos (password required, found in the textbook): https://batesvisualguide.com/ <u>NOTE: videos mentioned in student manual for preparation are adjusted to Bates – when using MacLeod, look for corresponding videos</u></p>

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> • Manikins (pediatrics – Gyn & Obs) • Teaching halls (with capability of having both male and female students) • Have our university hospital for bed side teaching (or governmental hospital- to have more variety of cases)
Technology Resources (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> • Are available
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course Objectives, Content and Learning Outcomes	Curriculum Committee	Course Review Course Report
Effectiveness of teaching	Students	Course Evaluation Survey (QMS Annex B)
Achievement of course learning outcomes	Course Faculty	Moderation (QMS Annex G and Annex H)
Assessment	Course Faculty	Verification
Learning Resources and Facilities	Students Faculty	Course Evaluation Survey Course Report
Student Academic Counseling and Support	Students	Course Evaluation Survey
Course Quality Management	Program Coordinator	Course Report Review

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	College Council
Reference No.	2
Date	September 24, 2019