Course Specification

I.	Course Identification and General Information:					
1	**Course Title:**	**Clinical Pharmacology**				
2	**Course Code &Number:**	**MMNHN06**				
3	**Credit hours: 2**	C.H				TOTAL
		Th.	Seminar	Pr	Tr.	
		2	-	-	-	2
4	**Study level/ semester at which this course is offered:**	First year/ First semester				
5	**Pre –requisite:**					
6	**Co –requisite :**	**-**				
7	**Program (s) in which the course is offered:**	Maternal and Neonatal Health Nursing				
8	**Language of teaching the course:**	English				
9	**Location of teaching the course:**	Faculty of Nursing				
10	**Prepared By:**	Dr.				
11	**Date of Approval**	2022				

II. Course Description:
This course is designed to provide basic pharmacological agents appropriate to women during pregnant and delivery.

III. Course Intended Learning Outcomes of the (CILOs) and their alignment to Program Intended learning outcomes (PILOs)	
ILCOs	**PILOs**
1. Identify the medications commonly used in obstetric and genecology, the class, indications, contraindications, dosage forms, dose, side effects, duration of treatment, route of administration, action time, and toxicity.	A1
2. Differentiate between various types of drug groups and its dose, usage, drug administration, interactions and contraindication.	B2
3. Practice in proper use of each drug, including practice injections	C5
4. Work effective with team.	D3
5. Work under ethical consideration.	D4

(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1. Identify the medications commonly used in obstetric and genecology, the class, indications, contra-indications, dosage forms, dose, side effects, duration of treatment, route of administration, action time, and toxicity .	Lecture Discussion Demonstration	Short answer Objective type

(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1. Differentiate between various types of drug groups and its dose, usage, drug administration, interactions and contraindication.	Lecture Discussion Demonstration	Short answer Objective type

(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
c1. Practice in proper use of each drug, including practice injections	Lecture Discussion Demonstration	Short answer Objective type

(D) Alignment Course Intended Learning Outcomes of General and Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1. Work effective with team.	Lecture Discussion	Short answer Objective type

d2. Work under ethical consideration.	Lecture Discussion	Short answer Objective type

IV. Course Content:

A – Theoretical Aspect:

Order	Units/Topics List	Sub Topics List	No. of Weeks	Contact hours	Learning Outcomes
1	Antihypertensive drugs	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
2	Oxytocin (Pitocin)	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
3	Lidocaine HCl 2%	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
4	Misoprostil	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication	1	2	a1,b1,c1, d1,d2

		▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration			
5	Dinoprostone (prostaglandin E2, PGE2)	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
6	Anticonvulsants (Phenytoin and Magnesium sulfate)	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration • Treatment of Magnesium intoxication	1	2	a1,b1,c1, d1,d2
7	Phytonadione (vitamin K1)	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
8	Midterm exam		1	2	a1,b1,c1, d1,d2

9	Thrombolytic Agents	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
10	Antifibrinolytic agents (Tranexamic acid)	▪ Classification ▪ Dosage forms ▪ Mechanism of action ▪ Indication ▪ Contraindication ▪ Adverse effects ▪ Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
11	Terbutaline (Brethine)	• Classification • Dosage forms • Mechanism of action • Indication • Contraindication • Adverse effects • Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
12	Anticoagulants	• Classification • Dosage forms • Mechanism of action • Indication • Contraindication • Adverse effects • Dose • Routes of administration	1	2	a1,b1,c1, d1,d2

13	Non-narcotic Analgesics & Antipyretics	• Classification • Dosage forms • Mechanism of action • Indication • Contraindication • Adverse effects • Preparations • Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
14	Clindamycin	• Classification • Dosage forms • Mechanism of action • Indication • Contraindication • Adverse effects • Preparations • Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
15	Nonsteroidal Anti-inflammatory Agents	• Classification • Dosage forms • Mechanism of action • Indication • Contraindication • Adverse effects • Dose • Routes of administration	1	2	a1,b1,c1, d1,d2
16	Final exam		1	2	a1,b1,c1, d1,d2
Number of Weeks /and Units Per Semester			16	32	

B - Practical Aspect:				
Order	**Tasks/ Experiments**	**Number of Weeks**	**contact hours**	**Learning Outcomes**
	Not applicable	-	-	-
Number of Weeks /and Units Per Semester				

V. Teaching strategies of the course:
Lecture - Discussion Demonstration

VI. Assignments:				
No	**Assignments**	**Aligned CILOs(symbols)**	**Week Due**	**Mark**
1	Write about Carbamazepine (tegretol)	a1,b1,c1,d1,d2	2-15	5

VII. Schedule of Assessment Tasks for Students During the Semester					
No.	**Assessment Method**	**Week Due**	**Mark**	**Proportion of Final Assessment**	**Aligned Course Learning Outcomes**
1	Assignment	5th - 12th week	20	20 %	a1,b1,c1,d1,d2
2	Presentation	4st - 14th week	10	10 %	a1,b1,c1,d1,d2
3	Mid-term exam	7th or 8th week	20	20%	a1,b1,c1,d1,d2
4	Final exam	16th-17th week	50	50 %	a1,b1,c1,d1,d2
	Total Theory Weight		**100**	**100%**	

VIII. Learning Resources:
1- Required Textbook(s)
1. Lilly L and Aucker R (2001). Pharmacology and the nursing process.3rded, Mosby.
2- Essential References.
1. Harvard M. A. Nursing Guide to drugs 3rd ed. Churchill living stone Melbourne.2009
3- Electronic Materials and Web Sites *etc*.
1. http://www.yahoo.com 2. http://www.google.com

IX. Course Policies:	
1.	**Class Attendance:** At least 75 % of the course hours should be attended by the student. Otherwise, he/she will not be allowed to attend the final exam
2.	**Tardy:** any student who is late for more than 15 minutes from starting the lecture will not be allowed to attend the lecture and will be considered absent.
3.	**Exam Attendance/Punctuality:** Any student who is late for more than 30 minutes from starting the exam will not be allowed to attend the exam and will be considered absent.
4.	**Assignments &Projects:** Assignments and projects will be assessed individually unless the teacher request for group work
5.	**Cheating**: Cheating by any means will cause the student failure and he/she must re-study the course
6.	**Plagiarism**: Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.

Course Plan (Syllabus)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member		**Office Hours**					
Location&Telephone No.		**SAT**	**SUN**	**MON**	**TUE**	**WED**	**THU**
E-mail				x			

II. Course Identification and General Information:						
1.	**Course Title:**	**Clinical Pharmacology**				
2.	**Course Number & Code:**	**MMNHN06**				
3.	**Credit hours: 2**	**C.H**				**Total**
		Th.	**Seminar**	**Pr.**	**F. Tr.**	
		2	-	-	-	**2**
4.	**Study level/year at which this course is offered:**	First year/ First semester				
5.	**Pre –requisite:**					
6.	**Co –requisite :**	-				
7.	**Program (s) in which the course is offered**	Maternal and Neonatal Health Nursing				
8.	**Language of teaching the course:**	English				
9.	**System of Study:**	Semester system				
10.	**Mode of delivery:**	Full time				
11.	**Location of teaching the course:**	Faculty of Medical Science				

III. Course Description:
This course is designed to provide basic pharmacological agents appropriate to women during pregnant and delivery.

IV. Intended learning outcomes (ILOs) of the course:

1. Identify the medications commonly used in obstetric and genecology, the class, indications, contraindications, dosage forms, dose, side effects, duration of treatment, route of administration, action time, and toxicity.
2. Differentiate between various types of drug groups and its dose, usage, drug administration, interactions and contraindication.
3. Practice in proper use of each drug, including practice injections
4. Work effective with team.
5. Work under ethical consideration.

V. Course Content:

Distribution of Semester Weekly Plan of Course Topics/Items and Activities.

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Antihypertensive drugs	1	2
2	Oxytocin (Pitocin)	2	2
3	Lidocaine HCl 2%	3	2
4	Misoprostil	4	2
5	Dinoprostone (prostaglandin E2, PGE2)	5	2
6	Anticonvulsants (Phenytoin and Magnesium sulfate)	6	2
7	Phytonadione (vitamin K1)	7	2
8	Midterm exam	8	2
9	Thrombolytic Agents	9	2
10	Antifibrinolytic agents (Tranexamic acid)	10	2
11	Terbutaline (Brethine)	11	2
12	Anticoagulants	12	2
13	Non-narcotic Analgesics & Antipyretics	13	2
14	Clindamycin	14	2
15	Nonsteroidal Anti-inflammatory Agents	15	2
16	Final exam	15	2
Number of Weeks /and Units Per Semester		**16**	**32**

B– Practical Aspect:			
Order	**Topics List**	**Week Due**	**Contact Hours**
	Not applicable	-	-
Number of Weeks /and Units Per Semester		**-**	**-**

VI. Teaching strategies of the course:
1. Lecture - Discussion 2. Demonstration

VII. Assignments:				
No	**Assignments**	**Aligned CILOs(symbols)**	**Week Due**	**Mark**
1	Write about Carbamazepine (tegretol)	a1,b1,c1,d1,d2	2-15	20

VIII. SCHEDULE OF ASSESSMENT TASKS FOR STUDENTS DURING THE SEMESTER					
Theoretical part					
No.	**Assessment Method**	**Week Due**	**Mark**	**Proportion of Final Assessment**	**Aligned Course Learning Outcomes**
1	Assignment	5th - 12th week	20	20 %	a1,b1,c1,d1,d2
2	Presentation	4st - 14th week	10	10 %	a1,b1,c1,d1,d2
3	Mid-term exam	7th or 8th week	20	20%	a1,b1,c1,d1,d2
4	Final exam	16th-17th week	50	50 %	a1,b1,c1,d1,d2
	Total Theory Weight		**100**	**100%**	

Practical part					
Assessment	**Type of Assessment Tasks**	**Week Due**	**Mark**	**Proportion of Final Assessment**	**Aligned Course Learning Outcomes**
	Not applicable	-	-	-	-

IX. Learning Resources:	
1- Required Textbook(s)	
	1. 1. Lilly L and Aucker R (2001). Pharmacology and the nursing process.3rded, Mosby.
2- Essential References.	
	Harvard M. A. Nursing Guide to drugs 3rd ed. Churchill living stone Melbourne.2009
3- Electronic Materials and Web Sites *etc*.	
	1. http://www.yahoo.com 2. http://www.google.com

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