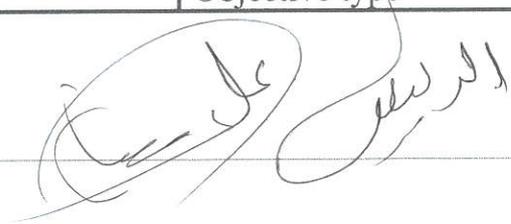


<b>III. Course Intended Learning Outcomes of the (CILOs) and their alignment to Program Intended learning outcomes (PILOs)</b>		
<b>ILCOs</b>	<b>PILOs</b>	
1. Identify the medications commonly used in obstetric and gynecology, the class, indications, contraindications, dosage forms, dose, side effects, 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	
<b>(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:</b>		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1. Identify the medications commonly used in obstetric and gynecology, 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>(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:</b>		
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
<b>(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:</b>		
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
<b>(D) Alignment Course Intended Learning Outcomes of General and Transferable Skills to Teaching Strategies and Assessment Strategies:</b>		
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
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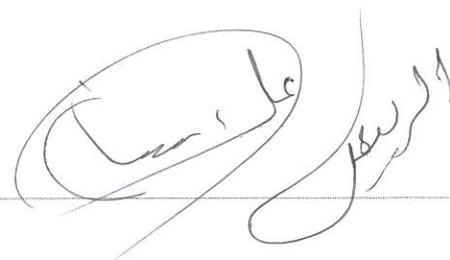
#### IV. Course Content:

##### A – Theoretical Aspect:

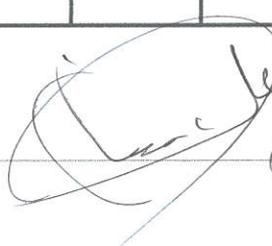
Order	Units/Topics List	Sub Topics List	No. of Weeks	Contact hours	Learning Outcomes
1	Antihypertensive drugs	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>▪ Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>▪ Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
2	Oxytocin (Pitocin)	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>▪ Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>▪ Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
3	Lidocaine HCl 2%	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>▪ Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>▪ Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
4	Misoprostil	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>▪ Indication</li> </ul>	1	2	a1,b1,c1, d1,d2

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		<ul style="list-style-type: none"> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>= Dose</li> <li>• Routes of administration</li> </ul>			
5	Dinoprostone (prostaglandin E2, PGE2)	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>= Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>= Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
6	Anticonvulsants (Phenytoin and Magnesium sulfate)	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>= Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>= Dose</li> <li>• Routes of administration</li> <li>• Treatment of Magnesium intoxication</li> </ul>	1	2	a1,b1,c1, d1,d2
7	Phytonadione (vitamin K1)	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>= Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>= Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
8	Midterm exam		1	2	a1,b1,c1, d1,d2



9	Thrombolytic Agents	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>▪ Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>▪ Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
10	Antifibrinolytic agents (Tranexamic acid)	<ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Dosage forms</li> <li>▪ Mechanism of action</li> <li>▪ Indication</li> <li>▪ Contraindication</li> <li>▪ Adverse effects</li> <li>▪ Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
11	Terbutaline (Brethine)	<ul style="list-style-type: none"> <li>• Classification</li> <li>• Dosage forms</li> <li>• Mechanism of action</li> <li>• Indication</li> <li>• Contraindication</li> <li>• Adverse effects</li> <li>• Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
12	Anticoagulants	<ul style="list-style-type: none"> <li>• Classification</li> <li>• Dosage forms</li> <li>• Mechanism of action</li> <li>• Indication</li> <li>• Contraindication</li> <li>• Adverse effects</li> <li>• Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2


  
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13	Non-narcotic Analgesics & Antipyretics	<ul style="list-style-type: none"> <li>• Classification</li> <li>• Dosage forms</li> <li>• Mechanism of action</li> <li>• Indication</li> <li>• Contraindication</li> <li>• Adverse effects</li> <li>• Preparations</li> <li>• Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
14	Clindamycin	<ul style="list-style-type: none"> <li>• Classification</li> <li>• Dosage forms</li> <li>• Mechanism of action</li> <li>• Indication</li> <li>• Contraindication</li> <li>• Adverse effects</li> <li>• Preparations</li> <li>• Dose</li> <li>• Routes of administration</li> </ul>	1	2	a1,b1,c1, d1,d2
15	Nonsteroidal Anti-inflammatory Agents	<ul style="list-style-type: none"> <li>• Classification</li> <li>• Dosage forms</li> <li>• Mechanism of action</li> <li>• Indication</li> <li>• Contraindication</li> <li>• Adverse effects</li> <li>• Dose</li> <li>• Routes of administration</li> </ul>	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	

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**B - Practical Aspect:**

Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
	Not applicable	-	-	-
<b>Number of Weeks /and Units Per Semester</b>				

**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	4 <sup>st</sup> - 14 <sup>th</sup> 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
<b>Total Theory Weight</b>			<b>100</b>	<b>100%</b>	

**VIII. Learning Resources:****1- Required Textbook(s)**

1. Lilly L and Aucker R (2001). Pharmacology and the nursing process.3<sup>rd</sup>ed, Mosby.

**2- Essential References.**

1. Harvard M. A. Nursing Guide to drugs 3<sup>rd</sup> 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.	<b>Class Attendance:</b> 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.	<b>Tardy:</b> 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.	<b>Exam Attendance/Punctuality:</b> 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.	<b>Assignments &amp; Projects:</b> Assignments and projects will be assessed individually unless the teacher request for group work
5.	<b>Cheating:</b> Cheating by any means will cause the student failure and he/she must re-study the course
6.	<b>Plagiarism:</b> Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.

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## Course Plan (Syllabus)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Associ. Prof. Abdulhameed Ali Al-Thifani	Office Hours					
Location & Telephone No.	736650016	SAT	SUN	MON	TUE	WED	THU
E-mail	althifanil@hotmail.com					x	

II. Course Identification and General Information:						
1.	Course Title:	Advanced Health Assessment				
2.	Course Number & Code:	MMNHN01				
3.	Credit hours: 2	C.H				Total
		Th.	Seminar	Pr.	F. Tr.	
		1	-	1	-	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 Nursing				

III. Course Description:
<p>The course focuses on the component of taking history at body systems. Systemic approach to physical examination and current techniques used for diagnostic purposes the course stress the nurse's role in assessing the erotically patient and data used to make judgment about patient condition.</p>



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

1. Discuss the important health history components that provides information about a specific body system status.
2. Identify areas of a patient's history, physical examination a diagnostic study pertinent to assess a specific body system disorder.
3. Describes the major features and the purpose of diagnostic studies.
4. Differentiate between normal and abnormal findings for specific system disorder.
5. Formulate a plan for collecting assessment data for patient in an orderly and objective manner and correlate such data over.
6. Apply the results of assessment, measures history, physical examination and diagnostic studies to identify a specific body system disorder.

#### V. Course Content:

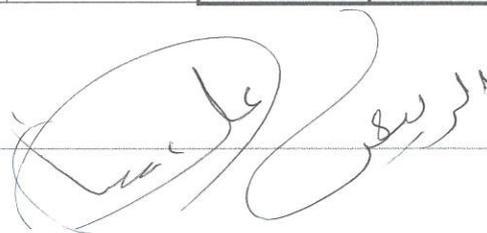
Distribution of Semester Weekly Plan of Course Topics/Items and Activities.

##### A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Patient assessment: Cardiovascular system.	1-2	2
2	Patient assessment : Respiratory system	3	1
3	Patient assessment : Renal system	4	1
	Physical assessment of breast & lymphatic	5-6	2
4	Midterm exam	7	1
	Physical assessment of the abdomen	8-9	2
	Physical assessment of anus and rectum	10-11	2
5	Patient assessment : Nervous system	12	1
6	Patient assessment : Endocrine system	13	2
7	Patient assessment: Hematological and immune system	14	2
8	Patient assessment : Integumentary system	15	1
9	Final exam	16	1
<b>Number of Weeks /and Units Per Semester</b>		<b>16</b>	<b>16</b>

##### B - Practical Aspect:

Order	Tasks/ Experiments	Number of Weeks	Contact hours	Learning Outcomes
1	Physical Examination of skin, hair & nail	1	2	c2



2	Physical Examination of Head & Neck	1	2	c2
3	Physical assessment of ear	1	2	c2
4	Physical assessment of eyes	1	2	c2
5	Physical assessment of Mouth, Throat, Nose & Sinus	1	2	c2
6	Physical assessment of breast & lymphatic	1	2	c2
7	Physical assessment of thoracic & lung	1	2	c2
8	Physical assessment of heart & neck vessel	1	2	c2
9	Physical assessment of Peripheral Vascular	1	2	c2
10	Physical assessment of the abdomen	1	2	c2
11	Physical assessment of anus, rectum	1	2	c2
12	Physical assessment of the musculoskeletal system	1	2	c2
13	Physical assessment of neurologic system	1	2	c2
14	Final Exam	2	2	c2
<b>Number of Weeks /and Units Per Semester</b>		15	30	

#### VI. Teaching strategies of the course:

1. Lecture
2. Lecture - Discussion
3. Demonstration
4. Brainstorming
5. Case discussions
6. Practical session

#### VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Assignment 1: write about the systematic approach examination.	a1, a2,b1,b2	1-14	5

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### VIII. Schedule of Assessment Tasks for Students During the Semester

No	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Presentation	5th-15th week	5	5%	a1,a2,b1,b2
2	Assignment	5th-15th week	5	5%	a1,a2,b1,b2
3	Mid-term exam	7th or 8th week	15	15%	a1,a2,b1,b2
4	Final-exam	16th-17th week	35	35 %	a1,a2,b1,b2
<b>Total Theory Weight</b>			<b>60</b>	<b>60%</b>	

### Clinical part

Assessment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Attendance and Attitude	1 <sup>st</sup> -15 <sup>th</sup> week	5	5%	c2
2	Semester work	1 <sup>st</sup> -15 <sup>th</sup> week	15	15%	c2
3	Final exam (theory/oral )	16 <sup>th</sup> week	5	5%	c2
4	Final exam (practical)	16 <sup>th</sup> -17 <sup>th</sup> week	15	15%	c2
<b>Total Practical Weight</b>			<b>40</b>	<b>40%</b>	

### IX. Learning Resources:

#### 1- Required Textbook(s)

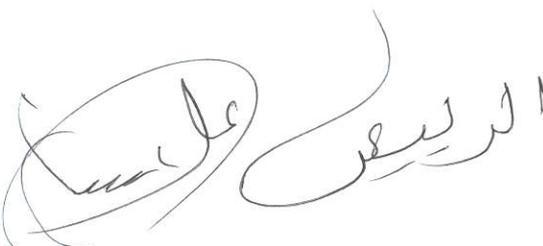
1.Nursing assessment. Lippincott Williams & Wilkins 3<sup>th</sup> ed ed.2012.

#### 2- Essential References.

1. Morton.P.G Ceital Maternal and Neonatal Health Nursing Lippincott Williams & Wilkins 8<sup>th</sup> ed ed.2008.

#### 3- Electronic Materials and Web Sites etc.

1. <http://www.mohp.gov.eg>
2. <http://www.bbc.co.uk/>



### X. Course Policies:

1.	<b>Class Attendance:</b> 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.	<b>Tardy:</b> 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.	<b>Exam Attendance/Punctuality:</b> 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.	<b>Assignments &amp; Projects:</b> Assignments and projects will be assessed individually unless the teacher request for group work
5.	<b>Cheating:</b> Cheating by any means will cause the student failure and he/she must re-study the course
6.	<b>Plagiarism:</b> Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.

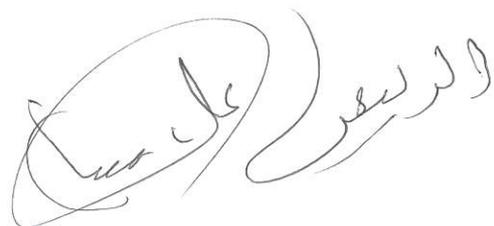
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## Course Specification

<b>I. Course Identification and General Information:</b>						
<b>1</b>	<b>Course Title:</b>	<b>Advanced Health Assessment</b>				
<b>2</b>	<b>Course Code &amp; Number:</b>	<b>MMNHN01</b>				
<b>3</b>	<b>Credit hours: 2</b>	C.H				TOTAL
		Th.	Seminar	Pr	Tr.	
		1	-	1	-	2
<b>4</b>	<b>Study level/ semester at which this course is offered:</b>	First year/First semester				
<b>5</b>	<b>Pre –requisite:</b>	-				
<b>6</b>	<b>Co –requisite :</b>	-				
<b>7</b>	<b>Program (s) in which the course is offered:</b>	Maternal and Neonatal Health Nursing				
<b>8</b>	<b>Language of teaching the course:</b>	English				
<b>9</b>	<b>Location of teaching the course:</b>	Faculty of Nursing				
<b>10</b>	<b>Prepared By:</b>	Associ. Prof. Abdulhameed Ali Al- Thifani				
<b>11</b>	<b>Date of Approval</b>	2022				

### **II. Course Description:**

The course focuses on the component of taking history at body systems. Systemic approach to physical examination and current techniques used for diagnostic purposes the course stress the nurses' role in assessing the erotically patient and data used to make judgment about patient condition.



**III. Intended learning outcomes of the course (ILCOs) and their alignment to Program Intended learning outcomes (PILOs)**

ILCOs	PILOs
1. Discuss the important health history components that provides information about a specific body system status.	A1
2. Identify areas of a patient's history, physical examination a diagnostic studies pertinent to assess a specific body system disorder.	A5
3. Describes the major features and the purpose of diagnostic studies.	A1
4. Differentiate between normal and abnormal findings for specific system disorder.	B2
5. Formulate a plan for collecting assessment data for patient in an orderly and objective manner and correlate such data over.	B2
6. Apply the results of assessment, measures history, physical examination and diagnostic studies to identify a specific body system disorder.	C2

**(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. Discuss the important health history components that provides information about a specific body system status.	Lecture discussion Brainstorming	Essay type Short answer Objective type
a2. Describes the major features and the purpose of diagnostic studies.	Lecture discussion Brainstorming	Essay type Short answer Objective type
a3. Identify areas of a patient's history, physical examination a diagnostic study pertinent to assess a specific body system disorder.	Lecture discussion Brainstorming	Essay type 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. Formulate a plan for collecting assessment data for patient in an orderly and objective manner and correlate such data over.	Lecture discussion Demonstration Case discussions / Seminar	Essay type Short answer Objective type

b2. Differentiate between normal and abnormal findings for specific system disorder.	Lecture discussion Demonstration	Essay type Short answer Objective type
<b>(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:</b>		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
c1. Apply the results of assessment, measures history, physical examination and diagnostic studies to identify a specific body system disorder.	Lecture discussion Demonstration Case discussions / presentation Practical session	Essay type Short answer Objective type
<b>(D) Alignment Course Intended Learning Outcomes of General and Transferable Skills to Teaching Strategies and Assessment Strategies:</b>		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
Not applicable	-	-

III. Course Content:					
A – Theoretical Aspect:					
Order	Units/Topics List	Sub Topics List	No. of Weeks	Contact hours	Learning Outcomes
1	Patient assessment: Cardiovascular system.	<ul style="list-style-type: none"> <li>• Cardiac history and physical examination</li> <li>• Cardiac laboratory studies</li> <li>• Cardiac diagnostic studies</li> <li>• Electrocardiographic monitoring.</li> <li>• Arrhythmias and the 12-lead electrocardiogram.</li> <li>• Serum electrolyte.</li> <li>• Hemodynamic monitoring.</li> </ul>	2	2	a1,a2
2	Patient assessment : Respiratory system	<ul style="list-style-type: none"> <li>• History , &amp; Physical examination</li> <li>• Respiratory monitoring</li> <li>• Respiratory diagnostic studies</li> </ul>	1	1	a1,a2

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3	Patient assessment : Renal system	<ul style="list-style-type: none"> <li>• History &amp; Physical examination</li> <li>• Assessment of electrolytes and acid – base balance</li> <li>• Assessment of fluid balance</li> </ul>	1	1	a1,a2
4	Physical assessment of breast & lymphatic	<ul style="list-style-type: none"> <li>• Structure and Function</li> <li>• Inspect breasts</li> <li>• Palpate breasts in a systematic manner</li> <li>• Evaluate nipple discharge</li> <li>• Palpate axillary nodes</li> </ul>	2	2	a1,a2
5	Midterm exam		1	1	a1, a2
6	Physical assessment of the abdomen	<ul style="list-style-type: none"> <li>• Assess structure &amp; function</li> <li>• Inspect &amp; Percuss abdomen</li> <li>• Auscultate four quadrants</li> <li>• Palpate (light and deep) abdomen</li> <li>• Percuss the liver</li> <li>• Percuss the spleen</li> <li>• Examine for CVA tenderness</li> </ul>	2	2	a1,a2
7	Physical assessment of anus and rectum	<ul style="list-style-type: none"> <li>• Structure and Function</li> <li>• Physical Assessment</li> </ul>	2	2	a1,a2
8	Patient assessment: Nervous system	<ul style="list-style-type: none"> <li>• History &amp; Physical examination</li> <li>• Neuron diagnostic studies</li> <li>• History</li> <li>• Patient assessment Gastro intestinal tract.</li> <li>• Physical examination</li> <li>• Nutritional assessment</li> <li>• Laboratory studies</li> <li>• Diagnostic studies</li> </ul>	1	1	a1,a2
9	Patient assessment :	<ul style="list-style-type: none"> <li>• History and physical examination</li> </ul>	1	1	a1,a2

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	Endocrine system	<ul style="list-style-type: none"> <li>Laboratory studies</li> <li>Diagnostic studies</li> </ul>			
10	Patient assessment : Hematological and immune system	<ul style="list-style-type: none"> <li>History &amp; Physical examination</li> <li>Diagnostic studies.</li> <li>Assessment of the immunocompromised patient</li> </ul>	1	1	a1,a2
11	Patient assessment : Integumentary system	<ul style="list-style-type: none"> <li>History &amp; Physical examination.</li> </ul>	1	1	a1,a2
12	Final exam		1	1	a1, a2
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>16</b>	

<b>B - Practical Aspect:</b>				
<b>Order</b>	<b>Tasks/ Experiments</b>	<b>Number of Weeks</b>	<b>Contact hours</b>	<b>Learning Outcomes</b>
1	Physical Examination of skin, hair & nail	1	2	c2
2	Physical Examination of Head & Neck	1	2	c2
3	Physical assessment of ear	1	2	c2
4	Physical assessment of eyes	1	2	c2
5	Physical assessment of Mouth, Throat, Nose & Sinus	1	2	c2
6	Physical assessment of breast & lymphatic	1	2	c2
7	Physical assessment of thoracic & lung	1	2	c2
8	Physical assessment of heart & neck vessel	1	2	c2
9	Physical assessment of Peripheral Vascular	1	2	c2
10	Physical assessment of the abdomen	1	2	c2
11	Physical assessment of anus, rectum	1	2	c2
12	Physical assessment of the musculoskeletal system	1	2	c2
13	Physical assessment of neurologic system	1	2	c2
14	Final Exam	2	2	c2
<b>Number of Weeks /and Units Per Semester</b>		<b>15</b>	<b>30</b>	

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#### IV. Teaching strategies of the course:

1. Lecture
2. Lecture - Discussion
3. Demonstration
4. Brainstorming
5. Practical session

#### V. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Assignment 1: write about the systematic approach examination.	a1, a2,b1,b2	1-14	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	Presentation	5th-15th week	5	5%	a1,a2,b1,b2
2	Assignment	5th-15th week	5	5%	a1,a2,b1,b2
3	Mid-term exam	7th or 8th week	15	15%	a1,a2,b1,b2
4	Final-exam	16th-17th week	35	35 %	a1,a2,b1,b2
<b>Total Theory Weight</b>			<b>60</b>	<b>60%</b>	

#### Clinical part

Assessment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Attendance and Attitude	1 <sup>st</sup> -15 <sup>th</sup> week	5	5%	c2
2	Semester work	1 <sup>st</sup> -15 <sup>th</sup> week	15	15%	c2
3	Final exam (theory/oral)	16 <sup>th</sup> week	5	5%	c2
4	Final exam (practical)	16 <sup>th</sup> -17 <sup>th</sup> week	15	15%	c2
<b>Total Practical Weight</b>			<b>40</b>	<b>40%</b>	

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<b>VI. Learning Resources:</b>	
<b>1- Required Textbook(s)</b>	
	1. Nursing assessment. Lippincott Williams & Wilkins 3 <sup>th</sup> ed ed.2012.
<b>2- Essential References.</b>	
	1. Morton.P.G Ceital Maternal and Neonatal Health Nursing Lippincott Williams & Wilkins 8 <sup>th</sup> ed ed.2008.
<b>3- Electronic Materials and Web Sites etc.</b>	
	1. <a href="http://www.mohep.gov.eg">http://www.mohep.gov.eg</a> 2. <a href="http://www.bbc.co.uk/">http://www.bbc.co.uk/</a> 3. <a href="http://www.edul.clu.eg">www.edul.clu.eg</a>

<b>IX. Course Policies:</b>	
1.	<b>Class Attendance:</b> 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.	<b>Tardy:</b> 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.	<b>Exam Attendance/Punctuality:</b> 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.	<b>Assignments &amp; Projects:</b> Assignments and projects will be assessed individually unless the teacher request for group work
5.	<b>Cheating:</b> Cheating by any means will cause the student failure and he/she must re-study the course
6.	<b>Plagiarism:</b> Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.

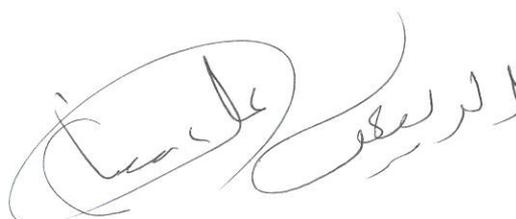
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## Course Plan (Syllabus)

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:	Advanced Pathophysiology				
2.	Course Number & Code:	MMNHN07				
3.	Credit hours: 2	C.H			Total	
		Th.	Seminar	Pr.		F. Tr.
		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 Nursing				

III. Course Description:
<p>The course focuses on the mechanism of development of pathological changes in various systems physiology it explains reason for development of such pathological condition. Emphasis is placed on the clinical manifestation of each pathophysiological condition.</p>



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

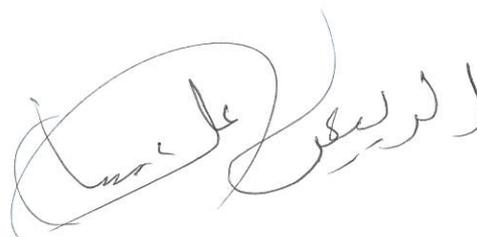
1. Identify the pathophysiology of most common obstetrics and gynecology disorders
2. Describe the phases of develop of physiologic disorder.
3. Evaluate the pathological changer result at specific body system disorder.
4. Differentiate between normal and abnormal physiological function of common obstetrics and gynecology disorders.
5. Work as team member.

**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	Ectopic pregnancy	1	2
2	Infertility	2	4
3	Gestational diabetes	3	2
4	Hypertensive Disorders in Pregnancy	4	2
5	Antepartum hemorrhage	5	2
6	Pelvic inflammatory disease	6	2
7	Dysfunctional uterine bleeding	7	2
8	Midterm exam	8	2
9	Menopause	9	2
10	Amenorrhea	10	2
11	Abortion and miscarriage	11	2
12	Multiple Pregnancy	12	2
13	Uterine fibroids	13	2
14	Postpartum hemorrhage	14	2
15	Rupture membrane	15	2
16	Final exam	16	2
<b>Number of Weeks /and Units Per Semester</b>		<b>16</b>	<b>32</b>



**B- Practical Aspect:**

Order	Topics List	Week Due	Contact Hours
	Not applicable	-	-
<b>Number of Weeks /and Units Per Semester</b>		-	-

**VI. Teaching strategies of the course:**

1. Lecture - Discussion

**VII. Assignments:**

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Anemia in pregnancy	a1, a2, b1, b2	5-16	5
2	Coagulation Disorders in Pregnancy	a1, a2, b1, b2	5-16	5
3	Cervix cancer	a1, a2, b1,b2	5-16	5
4	Endometriosis	a1, a2,b1,b2	5-16	5

**VIII. Schedule of Assessment Tasks for Students During the Semester**

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Student assignment	5th - 12 <sup>th</sup> week	10	10 %	a1, a2, b1, b2
2	Presentation	4 <sup>st</sup> - 14 <sup>th</sup> week	20	20 %	a1, a2, b1, b2
3	Mid-term exam	7th or 8 <sup>th</sup> week	20	20%	a1, a2, b1,b2
4	Final exam	16th-17 <sup>th</sup> week	50	50 %	a1, a2,b1,b2
<b>Total Theory Weight</b>			<b>100</b>	<b>100%</b>	

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### IX. Learning Resources:

#### 1- Required Textbook(s)

Price S & Wilson L. Pathophysiology; Clinical concepts of disease process Mc Graw Hill New York 2010.

#### 2- Essential References.

Campbell, Monga Hodder Arnold Gynecology By Ten Teachers

#### 3- Electronic Materials and Web Sites etc.

3. <http://www.yahoo.com>

4. <http://www.google.com>

### X. 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 Specification

I. Course Identification and General Information:						
1	Course Title:	Advanced Pathophysiology				
2	Course Code & Number:	MMNHN07				
3	Credit hours: 2	C.H				TOTAL
		Th	Seminar	Pr	Tr.	
		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:					
11	Date of Approval	2022				

II. Course Description:	
<p>The course focuses on the mechanism of development of pathological changes in various systems physiology it explains reason for development of such pathological condition. Emphasis is placed on the clinical manifestation of each pathophysiological condition.</p>	



**III. Intended learning outcomes of the course (ILCOs) and their alignment to Program Intended learning outcomes (PILOs)**

ILCOs	PILOs
1. Identify the pathophysiology of most common obstetrics and gynecology disorders	A1
2. Describe the phases of develop of physiologic disorder.	A1
3. Evaluate the pathological changer result at specific body system disorder.	B3
4. Differentiate between normal and abnormal physiological function of common obstetrics and gynecology disorders.	B3
5. Work as team member.	D1

**(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:**

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a2. Identify the pathophysiology of most common obstetrics and gynecology disorders	Lecture Discussion	Essay type Short answer Objective type
a2. Describe the phases of develop of physiologic disorder.	Lecture Discussion	Essay type Short answer Objective type

**(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:**

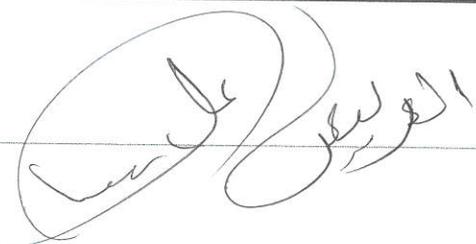
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1. Evaluate the pathological changer result at specific body system disorder.	Lecture Discussion	Essay type Short answer Objective type
b2. Differentiate between normal and abnormal physiological function of common obstetrics and gynecology disorders.	Lecture Discussion	Essay type 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
Not applicable	-	-

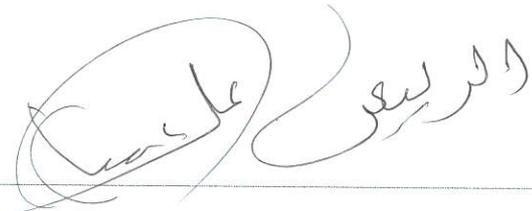
**(D) Alignment Course Intended Learning Outcomes of General and Transferable Skills to Teaching Strategies and Assessment Strategies:**

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1. Work as team member	Lecture Discussion	Essay type Short answer



**IV. Course Contents:****A. Theoretical Aspect:**

No	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Ectopic pregnancy	<ul style="list-style-type: none"><li>• Introduction</li><li>• The pathophysiology of disease</li><li>• Signs, symptoms and diagnosis</li><li>• Basic investigations</li></ul>	1	2	a1, a2, b1, b2,d1
2	Infertility	<ul style="list-style-type: none"><li>• Introduction</li><li>• The pathophysiology of disease</li><li>• Signs, symptoms and diagnosis</li><li>• Basic investigations</li></ul>	1	2	a1, a2, b1, b2,d1
3	Gestational diabetes	<ul style="list-style-type: none"><li>• Introduction</li><li>• The pathophysiology of disease</li><li>• Signs, symptoms and diagnosis</li><li>• Basic investigations</li></ul>	1	2	a1, a2, b1, b2,d1
4	Hypertensive Disorders in Pregnancy	<ul style="list-style-type: none"><li>• Introduction</li><li>• The pathophysiology of disease</li><li>• Signs, symptoms and diagnosis</li><li>• Basic investigations</li></ul>	1	2	a1, a2, b1, b2,d1
5	Antepartum hemorrhage	<ul style="list-style-type: none"><li>• Introduction</li><li>• The pathophysiology of disease</li><li>• Signs, symptoms and diagnosis</li><li>• Basic investigations</li></ul>	1	2	a1, a2, b1, b2,d1



6	Pelvic inflammatory disease	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
7	Dysfunctional uterine bleeding	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
8	<b>Midterm Exam</b>		1	2	a1, a2, b1, b2,d1
9	Menopause	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
10	Amenorrhea	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
11	Abortion and miscarriage	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
12	Multiple Pregnancy	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1

13	Uterine fibroids	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
14	Postpartum hemorrhage	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
15	Rupture membrane	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• The pathophysiology of disease</li> <li>• Signs, symptoms and diagnosis</li> <li>• Basic investigations</li> </ul>	1	2	a1, a2, b1, b2,d1
16	<b>Final Exam</b>		1	2	a1, a2, b1, b2,d1
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>	

<b>B - Practical Aspect:</b>				
<b>Order</b>	<b>Tasks/ Experiments</b>	<b>Number of Weeks</b>	<b>Contact hours</b>	<b>Learning Outcomes</b>
	Not applicable	-	-	-
<b>Number of Weeks /and Units Per Semester</b>				

<b>V. Teaching strategies of the course:</b>
1. Lecture - Discussion



<b>VI. Assignments:</b>				
<b>No</b>	<b>Assignments</b>	<b>Aligned CLOs(symbols)</b>	<b>Week Due</b>	<b>Mark</b>
1	<b>Anemia in pregnancy</b> <ul style="list-style-type: none"> <li>• Pathophysiology</li> <li>• Definition and types</li> <li>• Etiology</li> <li>• Management</li> <li>• Complications</li> </ul>	a1, a2, b1, b2	5-16	5
2	<b>Coagulation Disorders in Pregnancy</b> <ul style="list-style-type: none"> <li>• Pathophysiology</li> <li>• Definition and types</li> <li>• Etiology</li> <li>• Management</li> <li>• Complications</li> </ul>	a1, a2, b1, b2	5-16	5
3	<b>Cervix cancer</b> <ul style="list-style-type: none"> <li>• Pathophysiology</li> <li>• Definition and types</li> <li>• Etiology</li> <li>• Management</li> <li>• Complications</li> </ul>	a1, a2, b1,b2	5-16	5
4	<b>Endometriosis</b> <ul style="list-style-type: none"> <li>• Pathophysiology</li> <li>• Definition and types</li> <li>• Etiology</li> <li>• Management</li> <li>• Complications</li> </ul>	a1, a2,b1,b2	5-16	5

<b>VII. Schedule of Assessment Tasks for Students During the Semester</b>					
<b>No.</b>	<b>Assessment Method</b>	<b>Week Due</b>	<b>Mark</b>	<b>Proportion of Final Assessment</b>	<b>Aligned Course Learning Outcomes</b>
1	Student assignment	5th - 12th week	10	10 %	a1, a2,b1,b2
2	Presentation	4 <sup>st</sup> - 14 <sup>th</sup> week	20	20 %	a1, a2,b1,b2
3	Mid-term exam	7th or 8th week	20	20%	a1, a2,b1,b2
4	Final exam	16th-17th week	50	50 %	a1, a2,b1,b2



	<b>Total Theory Weight</b>	<b>100</b>	<b>100%</b>	
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### VIII. Learning Resources:

#### 1- Required Textbook(s)

Price S & Wilson L. Pathophysiology; Clinical concepts of disease process Mc Graw . Hill New York 2010.

#### 2- Essential References.

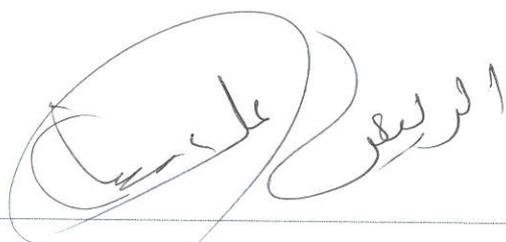
Campbell, Monga Hodder Arnold Gynecology By Ten Teachers

#### 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.
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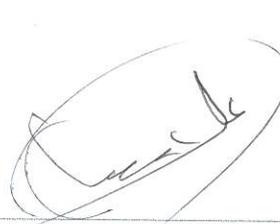


## Course Plan (Syllabus)

I. Information about Faculty Member Responsible for the Course:							
<b>Name of Faculty Member</b>	Prof. Nabil Ahmed Al-Rabeei	<b>Office Hours</b>					
<b>Location &amp; Telephone No.</b>	734699333	SAT	SUN	MON	TUE	WED	THU
<b>E-mail</b>	nabilalrabeei@hotmail.com		x				

II. Course Identification and General Information:					
1.	<b>Course Title:</b>	<b>SPSS Statistics</b>			
2.	<b>Course Number &amp; Code:</b>	<b>MNSG01</b>			
3.	Credit hours: 3	<b>C.H</b>			<b>Total</b>
		<b>Th.</b>	<b>Seminar</b>	<b>Pr.</b>	<b>F. Tr.</b>
		2	-	1	3
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 Nursing			

iii. Course Description:
<p>This course logically guides students through the fundamentals of using SPSS and is structured so as to provide effective training in the 4 stages of a typical data analysis process-data definition and input, data modification, data analysis and data presentation. To learn how to import data into SPSS and set it up ready for further analysis.</p>




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

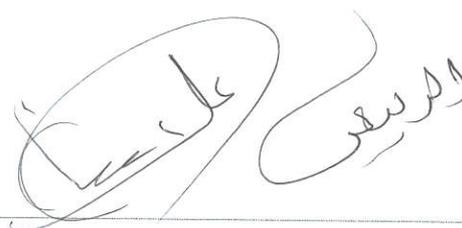
1. Identify concepts and principles of data entry, analysis, presentation and interpretation.
2. Summarize data through the appropriate use of tables, graphs, and descriptive statistics.
3. Select and apply appropriate statistical methods for testing research hypotheses and answering research questions.

**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	Feature of the SPSS Program	1	2
2	Common Window Features	2	2
3	The Menus – Overview	3	2
4	Data File Preparation	4	2
5	Steps of testing statistical hypothesis	5	2
6	Descriptive Statistics	6	2
7	Midterm exam	7	2
8	Parametric test: Independent t-test	8	2
9	Non-Parametric test: Mann-Whitney U test	9	2
10	Parametric test: Paired t-test	10	2
11	Non-Parametric test: Wilcoxon signed rank test	11	2
12	Parametric Tests: One-way-ANOVA	12	2
13	Nonparametric Test: Kruskal-Wallis test	13	2
14	Non-Parametric test: Friedman test	14	2
15	Relationship: Chi-square test	15	2
16	Final exam	16	2
<b>Number of Weeks /and Units Per Semester</b>		<b>16</b>	<b>32</b>



<b>B- Practical Aspect:</b>			
<b>Order</b>	<b>Topics List</b>	<b>Week Due</b>	<b>Contact Hours</b>
1	Feature of the SPSS Program	1	1
2	Working with data	2	1
3	Data File Preparation	3-4	2
4	Testing Normality	5	1
5	Descriptive Statistics	6	1
6	Independent Samples T-Test	7	1
7	Midterm Exam	8	1
8	Mann-Whitney U test	9	1
9	Paired t-test	10	1
10	Wilcoxon signed rank test	11	1
11	One-way-ANOVA	12	1
12	Kruskal-Wallis test	13	1
13	Friedman test	14	1
14	Chi-square test	15	1
15	Final exam	16	1
<b>Number of Weeks /and Units Per Semester</b>		16	32

<b>VI. Teaching strategies of the course:</b>
1. Demonstration
2. Student assignments
3. Practical session
4. Presentation: <ul style="list-style-type: none"> <li>• McNemar test</li> <li>• Cochran Q test</li> <li>• One sample t-test</li> <li>• One sample chi-square test</li> </ul>

*Handwritten signature in Arabic script, likely reading "عبدالله بن محمد" (Abdullah bin Muhammad).*

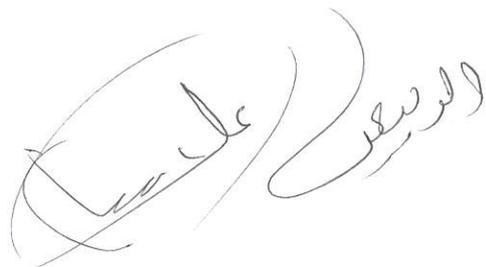
VII. Assignments:				
No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
i	One assignment for each statistical test	a1 , b1, d1	2-14	20

VIII. Schedule of Assessment Tasks for Students during the Semester: Theoretical part and Practical part					
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Presentation	4th and 12th week	10	10%	a1, b1,c1,d1
2	Assignments	5th and 12th week	20	20%	a1, b1,c1,d1
3	Mid-term exam	7th or 8th week	20	20%	a1, b1,c1,d1
4	Final exam	16th-17th week	50	50 %	a1 , b1,c1, d1
<b>Total Theory Weight</b>			<b>100</b>	<b>100%</b>	

IX. Learning Resources:	
<b>1- Required Textbook(s)</b>	
	1. SPSS Programming and Data Management. A Guide for SPSS and SAS® Users, 3rd ed. Raynald Levesque and SPSS Inc, 2001
<b>2- Essential References.</b>	
	1. An Introduction to Biostatistics: A manual for students in Health Sciences: P.S.S. Sundar Rao, J. Richard Prentice Hall , New Delhi, 2005.
	2. Bio-Statistics: A foundation for Analysis in the Health Sciences: Daniel, W.W., John Wiley and Pub., Canada, 2006.
	3. Handbook of Statistics: Krishnaiah, P.K., C.R. (ed), Elsevier Science 2011.
<b>3- Electronic Materials and Web Sites etc.</b>	
	<a href="http://www.google.com">www.google.com</a>



<b>X. Course Policies:</b>	
1.	<b>Class Attendance:</b> 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.	<b>Tardy:</b> 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.	<b>Exam Attendance/Punctuality:</b> 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.	<b>Assignments &amp; Projects:</b> Assignments and projects will be assessed individually unless the teacher request for group work
5.	<b>Cheating:</b> Cheating by any means will cause the student failure and he/she must re-study the course
6.	<b>Plagiarism:</b> Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.



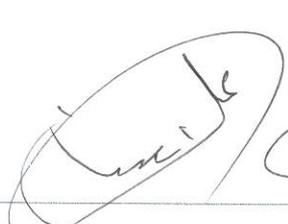
## Courses specification 1<sup>st</sup> year-1<sup>st</sup> semester

### Course Specification

I. Course Identification and General Information:						
1	Course Title:	SPSS Statistics				
2	Course Code &Number:	MNSG01				
3	Credit hours: 3	C.H				TOTAL
		Th.	Seminar	Pr	Tr.	
		2	-	1	-	3
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:	Professor. Nabil Al-Rabeei				
11	Date of Approval	2022				

### II. Course Description:

This course logically guides students through the fundamentals of using SPSS and is structured so as to provide effective training in the 4 stages of a typical data analysis process-data definition and input, data modification, data analysis and data presentation. To learn how to import data into SPSS and set it up ready for further analysis.




**III. Intended learning outcomes of the course (ILCOs) and their alignment to Program Intended learning outcomes (PILOs)**

ILCOs	PILOs
1. Identify concepts and principles of data entry, analysis, presentation and interpretation.	A1
2. Summarize data through the appropriate use of tables, graphs, and descriptive statistics.	D4
3. Select appropriate statistical methods for testing research hypotheses and answering research questions.	B1
4. Apply appropriate measurements and data analysis techniques by SPSS program.	C2

**(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 concepts and principles of data entry, analysis, presentation and interpretation.	Lecture Discussion Demonstration	Short answers 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. Select appropriate statistical methods for testing research hypotheses and answering research questions.	Lecture Discussion Demonstration	Short answers 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. Apply appropriate measurements and data analysis techniques by SPSS program.	Lecture Student assignment Practice Session	Short answer questions Objective type Practical Exam

**(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. Summarize data through the appropriate use of tables, graphs, and descriptive statistics.	Lecture Student assignment Practice Session	Short answer questions Objective type Practical Exam

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 محمد الربيعي

### III. Course Content:

#### A – Theoretical Aspect:

Order	Units/Topics List	Sub Topics List	No. of Weeks	Contact hours	Learning Outcome
1	Feature of the SPSS Program	<ul style="list-style-type: none"> <li>• Introduction to SPSS</li> <li>• Preliminaries:               <ul style="list-style-type: none"> <li>○ Running SPSS</li> <li>○ Entering SPSS</li> </ul> </li> <li>• Three Primary SPSS Windows               <ul style="list-style-type: none"> <li>○ The Data Editor</li> <li>○ The Output Viewer</li> <li>○ The Syntax Editor.</li> </ul> </li> <li>• Switching Between Windows</li> <li>• Common Window Features:               <ul style="list-style-type: none"> <li>○ Title Bar</li> <li>○ Menu Bar</li> <li>○ Toolbar</li> <li>○ Status Bar</li> <li>○</li> </ul> </li> <li>• Unique Window Features:               <ul style="list-style-type: none"> <li>• Data Editor</li> <li>○ Data View</li> <li>○ Variable View</li> <li>• Output Viewer</li> <li>• Syntax Editor</li> </ul> </li> </ul>	1	2	a1
2	The Menus – Overview	<ul style="list-style-type: none"> <li>• Common Menus</li> <li>• Unique Menus</li> <li>• The Menus – Up Close               <ul style="list-style-type: none"> <li>○ File Menu</li> <li>○ Edit Menu</li> <li>○ View Menu</li> <li>○ Data Menu</li> <li>○ Transform Menu</li> </ul> </li> </ul>	1	2	a1,b1

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		<ul style="list-style-type: none"> <li>○ Analyze, Window, and Add-Ons Menus</li> <li>○ Graphs Menu</li> <li>○ Utilities Menu</li> <li>○ Help Menu</li> <li>○ Inscrt Menu</li> <li>○ Format Menu</li> <li>○ Run Menu</li> </ul>			
3	Data File Preparation	<ul style="list-style-type: none"> <li>● Data Entry</li> <li>● Defining Variables</li> <li>● Practice Data Entry</li> </ul>	1	2	a1,d1
4	Steps of testing statistical hypothesis	<ul style="list-style-type: none"> <li>● State statistical hypothesis</li> <li>● Chose the appropriate statistical test</li> <li>● Specify the level of significance</li> <li>● Conduct the statistical tests</li> <li>● Decide to reject or accept hypothesis</li> </ul>	1	2	a1,d1
5	Descriptive Statistics	<ul style="list-style-type: none"> <li>● Descriptive</li> <li>● Frequency</li> <li>● Crosstabs</li> </ul>	1	2	a1,d1
6	Parametric test	<ul style="list-style-type: none"> <li>● Independent Samples T-Test <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	2	a1,b1,d1
7	Midterm exam		1	2	a1,b1,d1
8	Nonparametric Tests	<ul style="list-style-type: none"> <li>● Mann-Whitney test <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	2	a1,b1,d1

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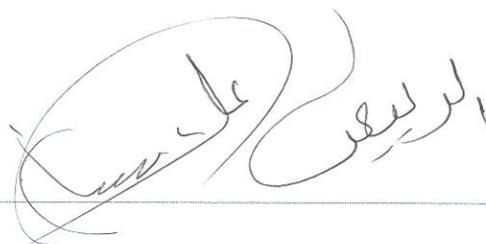
9	Parametric test	<ul style="list-style-type: none"> <li>• Paired Samples T-Test <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> </ul> </li> <li>• Interpretation</li> </ul>	1	2	a1,b1,d1
10	Nonparametric Tests	<ul style="list-style-type: none"> <li>• Wilcoxon signed rank test <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> </ul> </li> <li>• Interpretation</li> </ul>	1	2	a1,b1,d1
11	Parametric test	<ul style="list-style-type: none"> <li>• One-Way ANOVA <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	2	a1,b1,d1
12	Nonparametric Tests	<ul style="list-style-type: none"> <li>• Kruskal-Wallis test <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> </ul> </li> <li>• Interpretation</li> </ul>	1	2	a1,b1,d1
13	Parametric test	<ul style="list-style-type: none"> <li>• One-Way Repeated measure ANOVA <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	2	a1,b1,d1
14	Nonparametric Tests	<ul style="list-style-type: none"> <li>• Friedman test <ul style="list-style-type: none"> <li>○ Overview</li> <li>○ Assumptions</li> <li>○ Running Procedure</li> <li>○ Reading Output</li> </ul> </li> </ul>	1	2	a1,b1,d1

		<ul style="list-style-type: none"> <li>• o Interpretation</li> </ul>			
15	Nonparametric Tests: relationship	<ul style="list-style-type: none"> <li>• Chi-Squared independent for</li> <li>o Overview</li> <li>o Assumptions</li> <li>o Running Procedure</li> <li>o Reading Output</li> <li>o Interpretation</li> </ul>	1	2	a1,b1,d1
16	Final exam		1	2	a1,b1,d1
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>	

<b>B – Practical Aspect:</b>				
<b>Order</b>	<b>Tasks/ Experiments</b>	<b>Number of Weeks</b>	<b>Contact hours</b>	<b>Learning Outcomes</b>
1	<ul style="list-style-type: none"> <li>• Feature of the SPSS Program</li> <li>o Running SPSS</li> <li>o Entering SPSS</li> <li>o Three Primary SPSS Windows</li> <li>o Switching Between Windows</li> </ul>	1	1	d1
2	<ul style="list-style-type: none"> <li>• Working with data</li> <li>o Opening SPSS Files</li> <li>o Saving SPSS Files</li> <li>o Exporting and Importing Data</li> <li>o Merging Two Data Files</li> <li>o Printing</li> </ul>	1	1	c1,d1
3	<ul style="list-style-type: none"> <li>• Data File Preparation</li> </ul>	2	2	c1,d1
4	<ul style="list-style-type: none"> <li>• Steps of testing statistical hypothesis</li> <li>o Normality distribution</li> </ul>	1	1	c1,d1
5	<ul style="list-style-type: none"> <li>• Descriptive Statistics</li> <li>o Descriptive</li> <li>o Frequency</li> <li>o Crosstabs</li> </ul>	1	1	c1,d1
6	<ul style="list-style-type: none"> <li>• Independent Samples T-Test</li> <li>o Running Procedure</li> <li>o Reading Output</li> <li>o Interpretation</li> </ul>	1	1	c1,d1
7	Midterm exam	1	1	c1,d1

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8	<ul style="list-style-type: none"> <li>• Mann-Whitney test <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
9	<ul style="list-style-type: none"> <li>• Paired Samples T-Test <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
10	<ul style="list-style-type: none"> <li>• Wilcoxon signed rank test <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
11	<ul style="list-style-type: none"> <li>▪ One-Way ANOVA <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
12	<ul style="list-style-type: none"> <li>• Kruskal-Wallis test. <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
13	<ul style="list-style-type: none"> <li>• One-Way Repeated measure ANOVA <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
14	<ul style="list-style-type: none"> <li>• Chi-Squared of Independence <ul style="list-style-type: none"> <li>○ Running Procedure</li> <li>○ Reading Output</li> <li>○ Interpretation</li> </ul> </li> </ul>	1	1	c1,d1
15	Final exam	1	1	c1,d1
<b>Number of Weeks /and Units Per Semester</b>		16	32	



#### IV. Teaching strategies of the course:

1. Lecture - Discussion
2. Demonstration
3. Student assignment
4. Practical session
5. Presentation:
  - McNemar test
  - Cochran Q test
  - One sample t-test
  - One sample chi-square test

#### V. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	One assignment for each statistical test	a1, b1, d1	2-14	20

#### VI. Schedule of Assessment Tasks for Students during the Semester: Theoretical part and Practical part

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Presentation	4th and 12th week	10	10%	a1, b1, d1
2	Assignments	5th and 12th week	20	20%	a1, b1, d1
3	Mid-term exam	7th or 8th week	20	20%	a1, b1, d1
4	Final exam	16th-17th week	50	50%	a1, b1, d1
Total Theory Weight			100	100%	

#### VIII. Learning Resources:

##### 1- Required Textbook(s) (maximum two).

1. SPSS Programming and Data Management. A Guide for SPSS and SAS® Users, 3rd ed. Raynald Levesque and SPSS Inc, 2001.

##### 2- Essential References.

1. An Introduction to Biostatistics: A manual for students in Health Sciences: P.S.S. Sundar Rao, J. Richard Prentice Hall, New Delhi, 2005.
2. Bio-Statistics: A foundation for Analysis in the Health Sciences: Daniel, W.W., John Wiley and Pub., Canada, 2006.

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	3. Handbook of Statistics: Krishnaiah, P.K. Rao, C.R. (ed), Elsevier Science Pub. Netherlands, 2011.
	<b>3- Electronic Materials and Web Sites etc.</b>
	www.google.com

IX. Course Policies:	
1.	<b>Class Attendance:</b> 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.	<b>Tardy:</b> 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.
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