Obstetrics & Gynaecology Nursing

431 NUR – 7
A Course Identification and General Information

1. Course title and code: Obstetrics and Gynaecological Nursing 431 NUR-7
2. Credit hours: 7hrs (3 theory + 4 practical)
3. Program(s) in which the course is offered: Nursing Program
4. Name of faculty member responsible for the course: Dr. Heba Abdel-Fatah Ibrahim
5. Level/year at which this course is offered: 7th level 4th year
6. Pre-requisites for this course (if any): Medical Surgical (2) (317NUR- 4)
7. Co-requisites for this course (if any): None
8. Location if not on main campus: Elathyba girls campus

B Objectives

1. Summary of the main learning outcomes for students enrolled in the course:
   By the end of the course the students should be able to:
   - Explain basic knowledge associated with anatomy of female genital organs, menstrual cycle, fertilization, normal pregnancy, normal labour and puerperium.
   - Discuss basic knowledge associated with common obstetrics and gynaecological problems facing women during childbearing and postmenopausal period.
   - Plan to care of women facing health problems associated to antenatal, intra-natal, postnatal period and gynaecological problems.
   - Work with health care professionals to provide patient focused care.
   - Apply self-directed learning in specific assignments using information technology and internet.
   - Perform all nursing procedures related to care of the women and her baby during antenatal, intra-natal, and postnatal period and gynaecological procedures.

2. Briefly describe any plans for developing and improving the course that are being implemented:
   - Continuous updating of course content through available references, web, and latest researches.
   - Increased use of IT or web-based reference material.
   - Include e-books.

C Course Description

1 Topics to be Covered

<table>
<thead>
<tr>
<th>List of topics</th>
<th>No. of Weeks</th>
<th>Contact hours</th>
</tr>
</thead>
</table>
### 1- Theory:-

**Unit I**
- Anatomy and physiology of female reproductive system.
- Menstrual cycle.
- Conception and Fetal development

**Unit II**
- Physiological changes during pregnancy,
- Diagnosis of pregnancy.
- Antenatal care.

**Unit III**
- Normal Labour
- Partograph
- Management of normal labour

**Unit IV**
- Normal puerperium

**Unit VI**
- High risk pregnancy

**Unit VII:**
- High risk labour

**Unit VIII**
- High risk puerperium

**Unit IX**
- Gynaecological problems
- Family planning.

### 2-Practical content :- Lab training (4wk) + hospital training(11wk)

| No. | ANTENATAL: |  |  |
|-----|------------|  |  |
| 1.  | Physical Examination for pregnant woman. | .5 | 6 |
| 2.  | Leopold maneuvers | .5 | 6 |
| 3.  | Auscultation Fetal Heart Rate. | .5 | 6 |
| 4.  | Assessing Pitting Edema | .5 | 6 |
| 5.  | Urine dipstick | .5 | 6 |
| 6.  | Prepare woman for ultrasound examination | .5 | 6 |
| LABOUR: | 3.5 | 42 |
| 7.  | Mechanism of labor | .5 | 6 |
| 8.  | Vaginal examination during labor | .5 | 6 |
9. Intrapartum electronic fetal monitoring ,5 6
10. The Partogram ,5 6
11. Perineal care ,5 6
12. Episiotomy ,5 6
13. Placental examination ,5 6

NEWBORN : 2.75 33
14. Immediate care of the newborn ,5 6
15. Apgar scoring system ,5 6
16. Umbilical cord care ,5 6
17. Assessing Vital signs ,5 6
18. Anthropometric measurements ,5 6
19. Eye care ,2.5 3

POSTNATAL : 2.75 33
20. Postpartum assessment ,5 6
21. Care of Episiotomy ,5 6
22. Postpartum Abdominal examination ,5 6
23. Self-perineal care ,5 6
24. Routine episiotomy care ,5 6
25. Breast care ,2.5 3

GYNECOLOGY : 3 36
26. Pelvic Examination and Pap Smear ,5 6
27. Preoperative Care For Gynaecological Patient ,5 6
28. Postoperative Care For Gynaecological Patient ,5 6
29. Vaginal Irrigation or Douche ,5 6
30. Breast self –Examination ,5 6
31. Insertion of Vaginal Suppositories ,5 6

2 Course components (total contact hours per semester):

<table>
<thead>
<tr>
<th>Lecture:</th>
<th>Tutorial:</th>
<th>Laboratory:</th>
<th>Practical/Field work/Internship</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 hours</td>
<td>_________</td>
<td>_________</td>
<td>180 hours</td>
<td>______</td>
</tr>
</tbody>
</table>

Additional private study/learning hours expected for students per week:
3 hours / week

3 Development of Learning Outcomes in Domains of Learning:

a. Knowledge

(i) Description of the knowledge to be acquired:

By the end of this course the student should be able to:

1. Explain basic knowledge associated with anatomy of female genital organs, menstrual cycle, fertilization, normal pregnancy, normal labour and puerperium

2. Describe aetiology, clinical picture, diagnosis, complications and nursing management of common obstetrics and gynaecological problems facing women during life span.

(ii) Teaching strategies to be used to develop that knowledge:
(iii) Methods of assessment of knowledge acquired:
- Written exams

b. Cognitive Skills

(i) Description of cognitive skills to be developed:

**By the end of this course the student should be able to:**

1. Distinguish between different family planning methods.
2. Educate the women's regarding normal and abnormal pregnancy, labour, and puerperium and common gynaecological problems.
3. Discuss basic knowledge associated with common obstetrics and gynaecological issues facing women during childbearing and postmenopausal period.
4. Plan to care of women facing health problems associated to antenatal, intra-natal, postnatal period and gynaecological problems.

(ii) Teaching strategies to be used to develop these cognitive skills.
- Lectures
- Class discussion
- Problem solving
- Self-study
- Brain storming

(iii) Methods of assessment of students’ cognitive skills:
- Class participation
- Written exams

c. Interpersonal Skills and Responsibility

(i) Description of the interpersonal skills and capacity to carry responsibility to be developed:

**By the end of this course the student should be able to:**

1. Work with health care professionals to provide patient focused care
2. Participate actively in class discussions and activities
3. Create and sustain ethical therapeutic relationship with patients and his families

(ii) Teaching strategies to be used to develop these skills and abilities.
- Problem solving
- Group discussion
- Brain storming
- Self-study
(iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility.

- Active class and lab participation.
- Area evaluation.

**d. Communication, Information Technology and Numerical Skills**

(i) Description of the skills to be developed in this domain:

**By the end of this course each student should be able to:**

1. Communicate effectively with colleagues, supervisors, patients, and family members in different health care settings and systems
2. Apply self-directed learning in specific assignments using information technology and internet.
3. Write competently all forms of patient charts and sheets in obstetrics and gynaecological departments.

(ii) Teaching strategies to be used to develop these skills:

- Problem solving.
- Self-learning

(iii) Methods of assessment of students numerical and communication skills:

- Group discussion
- Group participation.
- Observation checklist.

**e. Psychomotor Skills (if applicable)**

(i) Description of the skills to be developed in this domain:

**By the end of this course each student should be able to:**

1. Provide adequate preparation according to standard precautions before any obstetrics and gynaecology procedures.
2. Apply post procedure tasks after finishing any invasive and non-invasive procedure related to obstetrics and gynaecology.
3. Perform all nursing procedures related to care of the women and her baby during antenatal, intra-natal, and postnatal period and gynaecological procedures.

(ii) Teaching strategies to be used to develop these skills

- Demonstration and re-demonstration.

(iii) Methods of assessment of students psychomotor skills

- Practical exams by using observation checklist.

**4 Schedule of Assessment Tasks for Students During the Semester:**

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Assessment task (e.g. essay, test, group project, examination etc.)</th>
<th>Week due</th>
<th>Proportion of Final Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Class participation , assignments</td>
<td>Weekly</td>
<td>5%</td>
</tr>
<tr>
<td>2</td>
<td>Hospital work Case study and case presentation , mother class and records</td>
<td>Weekly</td>
<td>10%</td>
</tr>
<tr>
<td>3</td>
<td>Quiz</td>
<td>5</td>
<td>5%</td>
</tr>
<tr>
<td>4</td>
<td>Midterm Practical exam</td>
<td>9</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------------------------------------------------</td>
<td>---</td>
<td>------</td>
</tr>
<tr>
<td>5</td>
<td>Midterm theoretical exam</td>
<td>10</td>
<td>20%</td>
</tr>
<tr>
<td>6</td>
<td>Final Practical exam</td>
<td>16</td>
<td>20%</td>
</tr>
<tr>
<td>7</td>
<td>Final theoretical exam</td>
<td>17</td>
<td>30%</td>
</tr>
</tbody>
</table>

**D Student Support**

1. Arrangements for availability of teaching staff for student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

   - 3 office hours every week
   - Student encourage to communicate on e-mail or at office
   - Exam error analysis in class
   - Feedback for each student

**E Learning Resources**

1. Required Text(s)
   - Jacob A. (2012): A comprehensive textbook of midwifery and gynaecological nursing, 3rd edition, Jaypee

2. Essential References

3. Recommended Books and Reference Material (Journals, Reports, etc)

4. Electronic Materials, Web Sites etc.
   - [http://www.gfmer.ch/Obstetrics_simplified/Obstetrics_simplified_contents.htm](http://www.gfmer.ch/Obstetrics_simplified/Obstetrics_simplified_contents.htm)
   - [https://archive.org/details/TextbookOfProceduresInObstetricsAndGynaecologyTextbookUniversityOf](https://archive.org/details/TextbookOfProceduresInObstetricsAndGynaecologyTextbookUniversityOf)

5. Other learning material such as computer-based programs/CD, professional standards/regulations/Audiovisual presentation- video– data show

**F Facilities Required**

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)
- Accommodation (Lecture rooms, laboratories, etc.)
  - Lecture room suitable for 20 students.
  - Suitable light and air condition.
  - Skill laboratories with max 20 places for each.

2. Computing resources
   - Computers, projectors in lecture room and lab

3. Other resources:
   - Library references and services.
   - Equipment and illustration tools relevant to the course material
   - Essential nursing laboratory equipment

### G Course Evaluation and Improvement Processes

1- Strategies for Obtaining Student Feedback on Effectiveness of Teaching
   - University questionnaire for evaluation of the course on web site.

2 - Other Strategies for Evaluation of Teaching by the Instructor or by the department
   - Peer observing teaching process.
   - Evaluation by program coordinator.

3- Processes for Improvement of Teaching
   - Keeping a teaching portfolio.
   - Integrating the remarks of the peer observer in the process of teaching.
   - Attend training programs and workshop.

4- Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution)
   - Exam papers and evaluation process are reviewed by the Exams' evaluation committee; reports are discussed in the program committee to take corrective actions.

5- Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.
   - Review of annual course report which include students, peer, program coordinator evaluation, and students achievement
   - Obtaining the improvement plan.
   - Implementation of the improvement plan.
   - Monitoring of the plan by program coordinator.
Matrix of the program- Course intended learning outcomes “Obstetrics and Gynaecological Nursing 431 NUR-7”

<table>
<thead>
<tr>
<th>Domains of learning</th>
<th>Program ILOs</th>
<th>Course ILOs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Knowledge</strong></td>
<td>By the end of the program the student should be able to**:</td>
<td><strong>By the end of the course the student should be able to</strong>:</td>
</tr>
<tr>
<td>- Explain the scientific background of different nursing interventions and procedures.</td>
<td>1. Explain basic knowledge associated with anatomy of female genital organs, menstrual cycle, fertilization, normal pregnancy, normal labour and puerperium</td>
<td></td>
</tr>
<tr>
<td>- Clarify aetiology, clinical picture, diagnosis, complications and nursing management of health problems affecting patients with different age groups.</td>
<td>2. Describe aetiology, clinical picture, diagnosis, complications and nursing management of common obstetrics and gynaecological problems facing women during life span.</td>
<td></td>
</tr>
<tr>
<td><strong>Cognitive skills</strong></td>
<td>- Compare among different interventions and nursing procedures to conclude the suitable one.</td>
<td>1. Distinguish between different family planning methods</td>
</tr>
<tr>
<td>- Formulate a plan for increasing health awareness.</td>
<td>2. Educate the women's regarding normal and abnormal pregnancy, labour, and puerperium and common gynaecological problems.</td>
<td></td>
</tr>
<tr>
<td>- Interpret health information and data related to patients' health problems.</td>
<td>3. Discuss basic knowledge associated with common obstetrics and gynaecological problems facing women during childbearing and postmenopausal period.</td>
<td></td>
</tr>
<tr>
<td>- Plan for competent, efficient and holistic care of patients with different health problems.</td>
<td>4. Plan to care of women facing health problems associated to antenatal, intra-natal, postnatal period and gynaecological problems.</td>
<td></td>
</tr>
<tr>
<td><strong>Interpersonal skills and responsibility</strong></td>
<td>- Collaborate, at all stages of patients' care, with health care team and family members.</td>
<td>1. Work with health care professionals to provide patient focused care</td>
</tr>
<tr>
<td>- Participate in ongoing self-learning activities related to Profession.</td>
<td>2. Participate actively in class discussions and activities</td>
<td></td>
</tr>
<tr>
<td>Communication, Information technology and Numerical skills</td>
<td>3. Create and sustain ethical therapeutic relationship with patients and his families</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>- Respect patient rights and ethical value</td>
<td>1. Communicate effectively with colleagues, supervisors, patients, and family members in different health care settings and systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Apply self-directed learning in specific assignments using information technology and internet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Write competently all forms of patient charts and sheets in obstetrics and gynaecological departments</td>
<td></td>
</tr>
</tbody>
</table>

| - Communicate professionally with the health team members, patients, clients and family members. | |
| - Manage reliable health data using modern technology. | |
| - Apply numerical skills related to patient care. | |

<table>
<thead>
<tr>
<th>Psychomotor skills</th>
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</tr>
</thead>
<tbody>
<tr>
<td>- Provide safe, competent and efficient nursing care according to standard precautions.</td>
<td>1. Provide adequate preparation according to standard precautions before any obstetrics and gynaecology procedures.</td>
</tr>
<tr>
<td>- Apply the essential skills related to life threatening problems.</td>
<td>2. Apply post procedure tasks after finishing any invasive and non-invasive procedure related to obstetrics and gynaecology.</td>
</tr>
<tr>
<td>- Implement nursing procedures and interventions with respect to patients' right.</td>
<td>3. Perform all nursing procedures related to care of the women and her baby during antenatal, intra-natal, and postnatal period and gynaecological procedures.</td>
</tr>
</tbody>
</table>
## Matrix of aligning course ILOs with contents, assessment method and teaching strategies Obstetrics and Gynaecological Nursing 431 NUR-7

<table>
<thead>
<tr>
<th>Domains of learning</th>
<th>Course ILOs</th>
<th>Course contents</th>
<th>Assessment methods and tools</th>
<th>Teaching strategies</th>
</tr>
</thead>
</table>
| **Knowledge**       | 1. Explain basic knowledge associated with anatomy of female genital organs, menstrual cycle, fertilization, normal pregnancy, normal labour and puerperium | - Anatomy of female genital organs  
- Menstrual cycle  
- Conception and fetal development  
- Normal pregnancy  
- Normal labour  
- Normal puerperium | - Written exams | - Lectures  
- Class discussion  
- Problem solving |
|                     | 2. Describe aetiology, clinical picture, diagnosis, complications and nursing management of common obstetrics and gynaecological problems facing women during life span. | - High risk pregnancy  
- High risk labour  
- High risk puerperium  
- Gynaecological problems | - Written exams | - Lectures  
- Class discussion  
- Problem solving |
| **Cognitive skills**| 1. Distinguish between different family planning methods | - family planning | - Class participation  
- written exams | - Lectures  
- Class discussion  
- Problem solving  
- Self-study  
- Brainstorming |
|                     | 2. Educate the women's regarding normal and abnormal pregnancy, labour, and puerperium and common gynaecological problems. | - High risk pregnancy  
- High risk labour  
- High risk Puerperium  
- Gynaecological | - Class participation  
- written exams | - Lectures  
- Class discussion  
- Problem solving |
<table>
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<th>Course ILOs</th>
<th>Course contents</th>
<th>Assessment methods and tools</th>
<th>Teaching strategies</th>
</tr>
</thead>
</table>
| Interpersonal skills and responsibility | Work with health care professionals to provide patient focused care | - Normal pregnancy  
- Normal labour  
- Normal puerperium | - Active class and lab participation  
- Area evaluation | - Problem solving  
- Group discussion |
| 3. | Discuss basic knowledge associated with common obstetrics and gynaecological problems facing women during childbearing and postmenopausal period | - High risk pregnancy  
- High risk labour  
- High risk Peurperium  
- Gynaecological problems | - Class participation  
- Written exams | - Lectures  
- Class discussion  
- Problem solving  
- Self-study  
- Brain storming |
| 4. | Plan to care of women facing health problems associated to antenatal, intra-natal, postnatal period and gynaecological problems. | - High risk pregnancy  
- High risk labour  
- High risk Peurperium  
- Gynaecological problems  
- Menstrual cycle  
- Conception and fetal development  
- Normal pregnancy  
- Normal labour | - Class participation  
- Written exams | - Lectures  
- Class discussion  
- Problem solving  
- Self-study  
- Brain storming |
<table>
<thead>
<tr>
<th>Domains of learning</th>
<th>Course ILOs</th>
<th>Course contents</th>
<th>Assessment methods and tools</th>
<th>Teaching strategies</th>
</tr>
</thead>
</table>
| Communication, Information technology and Numerical skills | Participate actively in class discussions and activities | - High risk pregnancy  
- High risk labour  
- High risk Peurperium  
- Gynaecological problems  
- Normal pregnancy  
- Normal labour  
- Normal puerperium  
- Normal pregnancy  
- Normal labour  
- Normal puerperium | - Active class and lab participation  
- Area evaluation | - Brain storming.  
- Problem solving  
- Group discussion  
- Brain storming. |
| | Create and sustain ethical therapeutic relationship with patients and his families | | | - Problem solving  
- Group discussion  
- Brain storming. |
| | 1. communicate effectively with colleagues, supervisors, patients, and family members in different health care sittings and systems | - Normal pregnancy  
- Normal labour  
- Normal puerperium | - Group discussion  
- Group participation  
- Observation checklist | - Problem solving  
- Self-learning |
| | 2. Apply self-directed learning in specific assignments using information technology and internet. | - High risk pregnancy  
- High risk labour  
- High risk Peurperium | - Group discussion  
- Group participation  
- Observation checklist | - Problem solving  
- Self-learning |
<table>
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<tr>
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<tbody>
<tr>
<td></td>
<td>3. Perform all nursing procedures related to care of the women and her baby during antenatal, intranatal, and postnatal period and gynaecological procedures.</td>
<td>Normal pregnancy - Normal labour - Normal puerperium - Gynaecological problems</td>
<td>Practical exams by using observation checklist.</td>
<td>Demonstration and re-demonstration.</td>
</tr>
</tbody>
</table>

Name of course Instructor: Dr. Heba Abdel-Fatah Ibrahim

Name of Program Coordinator: Dr: Manal Hamed

Date of approval