

Macao Polytechnic Institute
School of Health Sciences and Sports
Bachelor of Science in Nursing

Module Outline

Academic Year 2021 / 2022

Semester 1

Learning Module	Obstetric & Gynecological Nursing		Class Code	NOAG2101
Pre-requisite Course	NFUN1101, NFUN1102			
Medium of Instruction	English/Chinese		Credit	3
Lecture Hours	41 hrs	Lab/Practice Hours	4 hrs	Total Hours 45 hrs
Instructor	Dr. Wang Xin (Subject Teacher) Dr. POON, Chiu Yin Angela		E-mail	amywang@ipm.edu.mo angelapoon@ipm.edu.mo
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Description

This 45-hour learning module is to equip nursing students with the knowledge, skills and attitudes necessary to provide care to women throughout the childbearing cycle, and to women with common gynecological problems. Evidence-based practice is emphasized and students will be guided to develop critical thinking in the practice of obstetric and gynecological nursing.

Learning Outcomes

After completing the learning module, students will be able to:

1. Describe the major concepts, components, issues, and tasks involved in obstetric and gynecological nursing.
2. Describe the anatomy and physiology of the female reproductive system.
3. Identify women at risk during pregnancy, labor and the postnatal period.
4. Describe common gynecological problems and the corresponding nursing care.
5. Demonstrate knowledge and skills of health supervision, health assessment, health promotion and disease prevention for obstetric and gynecological clients and their families.

Content

1. Introduction to Obstetric and Gynecological Nursing

Anatomy and physiology of the reproductive system (4 hours)

(Lesson 1: 2 class hours)

- 1.1 Legal issues on caring for gynecological and obstetric population
(MASTER; apply knowledge, concepts, and analyze problems in different situations.
Make valid judgement and solve problems.

(Lesson 2: 2 class hours)

- 1.2 Structures and functions of the reproductive organs
- 1.3 Changes in the reproductive system during pregnancy
(MASTER; apply knowledge, concepts, and analyze problems in different situations.
Make valid judgement and solve problems.

2. Obstetric nursing (26 hours)

(Lesson 3: 2 class hours)

- 2.1 Female reproductive cycle: fertilization & early development
- 2.2 Changes and adaptation in pregnancy
(COMPREHEND; memorize what have been learned, describe knowledge, concepts, and
its relationship systematically)

(Lesson 4: 2 class hours)

- 2.3 Pregnancy :
 - 2.3.1 Antenatal care
 - 2.3.2 Abnormalities of early pregnancy
(MASTER; apply knowledge, concepts, and analyze problems in different situations.
Make valid judgement and solve problems.)

(Lesson 5: 2 class hours)

- 2.4 Identification of a high-risk pregnancy 1:
 - 2.4.1 Antepartum Bleeding (APH)
 - 2.4.2 Pregnancy-Induced Hypertension (PIH)
(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts,
and its relationship systematically)

(Lesson 6: 2 class hours)

- 2.5 Identification of a high-risk pregnancy 2:
 - 2.5.1 Gestational Diabetes Mellitus (GDM)
 - 2.5.2 Multiple Pregnancy / Birth
(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts,

and its relationship systematically)

(Lesson 7: 2 class hours)

2.6 Identification of a high-risk pregnancy 3:

2.6.1 Intrauterine Growth Restriction (IUGR)

2.6.2 Prelabor or Premature Rupture of Membranes (PROM)

2.6.3 Premature Birth and Post-term Birth

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

(Lesson 8: 2 class hours)

2.7 Labor 1: Labor and Birth Processes

2.7.1 Factors affecting labor

2.7.2 Mechanism of labor

(UNDERSTAND; demonstrate knowledge)

(Lesson 9: 2 class hours)

2.8 Labor 2: Nursing care of the family during labor and birth

2.8.1 4 stages of labor

2.8.2 Assessment and care of newborn

(MASTER; apply knowledge, concepts, and analyze problems in different situations. Make valid judgement and solve problems.)

(Lesson 10: 2 class hours)

2.9 Labor 3: Obstetric Emergencies

2.9.1 Fetal distress

2.9.2 Cord prolapse

2.9.3 Breech birth

2.9.4 Shoulder dystocia

(MASTER; apply knowledge, concepts, and analyze problems in different situations. Make valid judgement and solve problems.)

(Lesson 11: 2 class hours)

2.10 Family planning

2.11 Breastfeeding

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

(Lesson 12: 2 class hours)

2.12 Practice class 1:

2.12.1 Abdominal palpation

2.12.2 Newborn bath
(UNDERSTAND; demonstrate clinical skill)

(Lesson 13: 2 class hours)

2.13 Practice class 2:

2.13.1 Breastfeeding techniques, issues and support

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

(Lesson 14: 2 class hours)

2.14 Mid-term test

(Lesson 15: 2 class hours)

2.15 Obstetric anesthesia

2.16 Postnatal hemorrhage

(MASTER; apply knowledge, concepts, and analyze problems in different situations. Make valid judgement and solve problems.)

(Lesson 16: 2 class hours)

2.17 Postnatal care 1:

2.17.1 Physiological problem

2.17.2 Psychological problem

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

3. **Gynecological Nursing:** (15 hours)

(Lesson 17: 2 class hours)

3.1 Abortion

3.2 Hydatidiform mole

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

(Lesson 18: 2 class hours)

3.3 Dysfunctional uterine bleeding

3.4 Perimenopausal Syndromes

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

(Lesson 19: 2 class hours)

3.5 Infection and inflammation of the female reproductive system

3.5.1 Vaginitis

3.5.2 Cervicitis

3.5.3 Sexually transmitted infections (STI)
(UNDERSTAND; demonstrate knowledge)

(Lesson 20: 2 class hours)

3.6 Common Gynecological Tumors

3.7 Pelvic floor dysfunction

(MASTER; apply knowledge, concepts, and analyze problems in different situations. Make valid judgement and solve problems.

(Lesson 21: 3 class hours)

3.8 Seminar Presentation

(COMPREHEND; memorize what have been learned, demonstrate knowledge, concepts, and its relationship systematically)

(Lesson 22: 2 class hours)

3.10 Final Examination

Class Practice

Date & Time	Practice Item	Mode of Practice
2021/9/21	• Abdominal palpation	Demonstration and group practice
2021/9/27	• Newborn bath	
2021/11/10	• Breastfeeding techniques, issues and support	Demonstration and group practice
2021/11/11		

Teaching Method

Lectures, videos, case studies, PBL, group discussion

Attendance

Attendance requirements are governed by the “Academic Regulations Governing Bachelor’s Degree Programmes of Macao Polytechnic Institute”. Students who do not meet the attendance requirements for the course will not be permitted to sit the final/re-sit examination and shall be awarded an ‘F’ grade.

Assessment

This learning module is graded on a 100 point scale, with 100 being the highest possible score and 50 the pass score. Any students scoring less than 35% of the total mark in the final examination will be given an “F” grade for the course even if the overall grade is 50% or higher.

Item	Description	Percentage
1. Mid-term test	Multiple choice questions, short questions and case studies	30%
2. Seminar presentation	Groups of 5-6 students, presentation on the topics x 10-12 minutes	15%
3. Skill examination	Skills	15%
4. Final examination	Multiple choice questions, short questions and case studies	40%
	Total Percentage:	100%

References

Davidson, M., London, M. & Ladewig, P. (2014). *Olds' Maternal-newborn nursing & women's health across the lifespan* (9th ed., international ed.). Harlow, England: Pearson Education Limited.

Ladewig, P., London, M. & Davidson, M. (2014). *Contemporary maternal-newborn nursing care* (8th ed., international ed.). Upper Saddle River, New Jersey: Pearson Education, Inc.

安力彬, 陸虹(2017)。 *婦產科護理學 (第六版)*。北京: 人民衛生出版社。

Murray, S. & McKinney, E. (2014). *Foundations of maternal-newborn and women's health nursing* (6th ed.). St. Louis, Missouri: Elsevier Saunders.

盧碧瑛等 (2014)。 *婦科護理學 (二版)*。臺北市: 華杏出版股份有限公司。

Journal(s)

Birth

Midwifery

Journal of Perinatal and Neonatal Nursing

Maternal and Child Health Journal

Journal of Midwifery & Women's Health

Journal of Obstetrics, Gynaecological and Neonatal Nursing, JOGNN

Useful database:

PubMed

CINAHL Plus

MEDLINE

PsycINFO

Appendix 1 Timetable of Obstetric & Gynecological Nursing Class 2A

Session	Date	Time	Topics	Teacher(s)
1	23/8/2021 (Mon)	14:30-16:30	Introduction to Obstetric and Gynecological Nursing	Wang Xin
2	24/8/2021 (Tue)	9:00-11:00	Anatomy and physiology of the reproductive system ♦ Structures and functions of the reproductive organs ♦ Changes in the reproductive system during pregnancy	Angela POON
3	30/8/2021 (Mon)	14:30-16:30	♦ Female reproductive cycle: fertilization & early development ♦ Changes and adaptation in pregnancy	Angela POON
4	31/8/2021 (Tue)	9:00-11:00	Pregnancy: ♦ Antenatal care ♦ Abnormalities of early pregnancy	Angela POON
5	6/9/2021 (Mon)	14:30-16:30	Family Planning Breastfeeding	Angela POON
6	7/9/2021 (Tue)	9:00-11:00	Identification of a high-risk pregnancy 1: ♦ Antepartum bleeding (APH) ♦ Pregnancy-induced hypertension (PIH)	Angela POON
7	13/9/2021 (Mon)	14:30-16:30	Identification of a high-risk pregnancy 2: ♦ Gestational diabetes mellitus (GDM) ♦ Multiple pregnancy/birth	Angela POON
8	14/9/2021 (Tue)	9:00-11:00	Identification of a high-risk pregnancy 3: ♦ Intrauterine growth restriction (IUGR) ♦ Prelabor or Premature rupture of membrane (PROM) ♦ Premature birth and post-term birth	Angela POON
9	20/9/2021 (Mon)	14:30-16:30	Labor 1: Labor and Birth Processes ♦ Factors affecting labor ♦ Mechanism of labor	Wang Xin
10	21/9/2021 (Tue)	9:00-11:00	Laboratory Class 1: ♦ Abdominal palpation ♦ Newborn bathing	Wang Xin Angela POON
11	27/9/2021 (Thu)	14:30-16:30	Laboratory Class 2: ♦ Breastfeeding techniques, issues and support	Angela POON Wang Xin
12	29/9/2021 (Tue)	9:00-11:00	Midterm Test	Angela POON
13	5/10/2021 (Tue)	9:00-11:00	Labor 2: Nursing care of the family during labor and birth ♦ 4 stages of labor ♦ Assessment and care of newborn	Wang Xin
14	11/10/2021 (Mon)	14:30-16:30	Labor 3: Obstetric Emergencies(Fetal distress, Cord prolapse, Breech birth, Shoulder dystocia)	Wang Xin
15	12/10/2021 (Tue)	9:00-11:00	Obstetric anesthesia Postnatal hemorrhage	Wang Xin
16	18/10/2021 (Mon)	14:30-16:30	Postnatal care: ♦ Physiological issues ♦ Psychological issues	Angela POON
17	19/10/2021 (Tue)	9:00-11:00	Abortion Hydatidiform mole	Wang Xin
18	20/10/2021 (Wed)	11:00-13:00	Common gynecological tumors Pelvic floor dysfunction	Wang Xin
19	21/10/2021 (Thu)	11:00-13:00	Dysfunctional uterine bleeding Perimenopausal syndrome	Wang Xin
20	22/10/2021 (Fri)	09:00-11:00	Infection and inflammation of the female reproductive system (Vaginitis, Cervicitis, Sexually transmitted infections (STI))	Wang Xin
21.5	25/10/2021 (Mon)	14:30-17:30	Oral presentation	Wang Xin
22.5	3/12/2021 (Fri)	11:00-13:00	Final examination	Wang Xin

Appendix 1 Timetable of Obstetric & Gynecological Nursing Class 2B

Session	Date	Time	Topics	Teacher(s)
1	23/8/2021 (Mon)	11:00-13:00	Introduction to Obstetric and Gynecological Nursing	Wang Xin
2	30/8/2021 (Mon)	11:00-13:00	Anatomy and physiology of the reproductive system ♦ Structures and functions of the reproductive organs ♦ Changes in the reproductive system during pregnancy	Angela POON
3	6/9/2021 (Mon)	11:00-13:00	♦ Female reproductive cycle: fertilization & early development ♦ Changes and adaptation in pregnancy	Angela POON
4	13/9/2021 (Mon)	11:00-13:00	Pregnancy: ♦ Antenatal care ♦ Abnormalities of early pregnancy	Angela POON
5	20/9/2021 (Mon)	16:30-18:30	Identification of a high-risk pregnancy 1: ♦ Antepartum bleeding (APH) ♦ Pregnancy-induced hypertension (PIH)	Angela POON
6	29/9/2021 (Wed)	11:00-13:00	Midterm Test	Angela POON
7	3/11/2021 (Wed)	9:00-11:00	Identification of a high-risk pregnancy 2: ♦ Gestational diabetes mellitus (GDM) ♦ Multiple pregnancy/birth	Angela POON
8	4/11/2021 (Thu)	11:00-13:00	Identification of a high-risk pregnancy 3: ♦ Intrauterine growth restriction (IUGR) ♦ Prelabor or Premature rupture of membrane (PROM) ♦ Premature birth and post-term birth	Angela POON
9	5/11/2021 (Fri)	9:00-11:00	Family Planning Breastfeeding	Angela POON
10	9/11/2021 (Tue)	11:00-13:00	Labor 1: Labor and Birth Processes ♦ Factors affecting labor ♦ Mechanism of labor	Wang Xin
11	10/11/2021 (Wed)	9:00-11:00	Laboratory Class 1: ♦ Abdominal palpation ♦ Newborn bathing	Wang Xin Angela POON
12	11/11/2021 (Thu)	11:00-13:00	Laboratory Class 2: ♦ Breastfeeding techniques, issues and support	Angela POON Wang Xin
13	12/11/2021 (Fri)	9:00-11:00	Labor 2: Nursing care of the family during labor and birth ♦ 4 stages of labor Assessment and care of newborn	Wang Xin
14	16/11/2021 (Tue)	14:30-16:30	Labor 3: Obstetric Emergencies(Fetal distress, Cord prolapse, Breech birth, Shoulder dystocia)	Wang Xin
15	17/11/2021 (Wed)	9:00-11:00	Postnatal care: ♦ Physiological issues ♦ Psychological issues	Angela POON
16	17/11/2021 (Wed)	14:30-16:30	Obstetric anesthesia Postnatal hemorrhage	Wang Xin
17	19/11/2021 (Fri)	9:00-11:00	Abortion Hydatidiform mole	Wang Xin
18	22/11/2021 (Mon)	11:00-13:00	Common gynecological tumors Pelvic floor dysfunction	Wang Xin
19	23/11/2021 (Tue)	11:00-13:00	Dysfunctional uterine bleeding Perimenopausal syndrome	Wang Xin
20	24/11/2021 (Wed)	9:00-11:00	Infection and inflammation of the female reproductive system (Vaginitis, Cervicitis, Sexually transmitted infections (STI))	Wang Xin
21.5	26/11/2021 (Fri)	09:00-12:00	Oral presentation	Wang Xin
22.5	3/12/2021 (Fri)	11:00-13:00	Final examination	Angela POON