

Faculty of Nursing, Srinakharinwirot University
Course Syllabus of NPD 251 Child and Adolescent Nursing 1, Second year nursing
students, Second semester, Academic year 2018

Course code NPD 251 Child and Adolescent Nursing 1

Credits 2(1-2-3)

Descriptions

Principle of nursing in pediatric and adolescent patients, child development promotion, children rights, immunizations, supplementary food, nutritional status, nursing care of the infant, child and adolescent with respiratory system, gastrointestinal system and endocrine system disorders

General objectives

Students are able to have knowledge and understanding of the health problems of children and families in normal conditions or with illnesses, nursing care for infants, children with common disease problems in an acute phase by using critical thinking systematic and problem solving skills and child nursing knowledge based on empirical knowledge and the nursing process for holistic health care.

Expected learning outcomes

ELO 1	Applying nursing and midwifery knowledge in nursing and midwifery practice on empirical evidence to manage health problems effectively
ELO 5	Using Communicating in Thai and English effectively
ELO 9	Expressing public mind, helping others and society

Course Learning Outcomes/CLOs

At the end of the course, students are able to:

CLO 1 describe the concepts and principles of child and adolescent nursing focusing on family-centered care. (ELO 1)

CLO 2 identify children's rights under the Convention on the Rights of the Child. (ELO 1)

CLO 3 describe the growth and development of children of each age. (ELO 1)

CLO 4 explain the roles of nurses in caring for children with good health. (ELO 1)

CLO 5 analyze problems and explain the principles of nursing for pediatric patients of all ages, including infants and children with respiratory system, gastrointestinal system and endocrine system disorders in terms of both physical and psychosocial aspects. (ELO 1)

CLO 6 describe the implementation of pediatric nursing procedures in health promotion and care of children with illnesses in both acute and chronic stages (ELO 1)

CLO 7 describe the nursing plan for treatment, building, promoting, preventing and restoring children's health by focusing on participation of children and family in nursing care (ELO 1)

CLO 8 use communication skills to present reports and express opinions in class (ELO 5)

CLO 9 apply knowledge about nursing ethics in child health care in the child and family health care plan (ELO 1,5)

CLO 10 provide reasonable medication in pediatric patients of all ages with respiratory system, gastrointestinal system and endocrine system disorders bone (ELO 1)

CLO 11 integrate teaching and learning with academic services of the project on quality care development of health, nutritional status and early childhood development using family-centered care of parents and mentors (ELO 1,5,9)

Teaching methods

1. Lecture/inquiring
2. Team Based Learning: TBL
3. Problem Based Learning: PBL
4. Participation in sample analysis of the patients' situations in class.
5. Presentation and report on the use of the nursing process in the analysis of patients' situations

Teaching materials

1. Nursing textbooks, journals and database
2. Teaching documents for each unit
3. PowerPoint

Assessment

Theory

1. 1 written examination (Unit 2/5), 2 hours	6 %	
2. TBL (14 hrs.)		44 %
2.1 TBL (Pretest): individual;	17 %	
2.2 TBL (GRAT): group	17 %	
2.3 TBL (IRAT)	10 %	
Total		<u>50 %</u>

Practice

1. Studying patient situations in PBL activity (6 hours)		10 %
1.1 Presentation skills	4 %	
1.2 Making a group report on the study the patient's situation	3 %	
1.3 Morality and ethics in PBL activities	3 %	
2. Activity and report of early childhood development stimulation		15 %

2.1 Activity of early childhood development stimulation	10 %
2.2 Report of early childhood development stimulation	5%
3. Activities and reports of early childhood nutrition promotion	15 %
3.1 Activity of early childhood nutrition promotion	10 %
3.2 Report of early childhood nutrition promotion	5 %
4. Practice exam in 2 virtual situations (procedure assessment form)	10 %
Total	<u>50%</u>

Complaint channel

Complaints of course evaluation must be processed within 15 days after knowing the scores or study results through the following channel.

1.1 Lecturer

1.2 Course coordinator

1.3 Deputy Dean for Academic and Research Affairs

1.4 Dean Hotline Thassane.swu@gmail.com

1.5 The complaint box in front of the Academic Service Room, 4th floor, Srinakharin Building, Faculty of Nursing

Content of theory teaching

Unit	Content	Hours
Unit 1	Principles of child and adolescent nursing and child care when admitted to the hospital (TBL)	2 hrs.
Unit 2	Infant nursing (TBL)	1 hr.
Unit 3	Immunization (TBL)	1 hr.
Unit 4	Physical examination of newborns and children	1 hr.
Unit 5	Nursing of premature infants and term infants at high-risk (TBL)	2 hrs.
Unit 6	Promotion of nutrition in children (TBL)	1 hr.
Unit 7	Nursing care of children with gastrointestinal problems (TBL)	2 hrs.
Unit 8	Nursing care of children with nervous and muscular system problems (TBL)	2 hrs.
Unit 9	Principles of promotion of growth and child development	1 hr.
Unit 10	Child development assessment (TBL)	1 hr.
Unit 11	Nursing care of children with respiratory problems (TBL)	2 hrs.
	<u>Total</u>	<u>16 hrs.</u>
Content of nursing practice		
Practice 1	Stimulation of development / promotion of nutrition in early childhood	18 hrs.
Practice 2	Physical examination, assessment of vital signs and O ₂ Sat / Tepid Sponge in infants and children	1½ hrs.

Practice 3	Baby bathing, eye and navel cleaning / measuring weight and height	1½ hrs.
Practice 4	Vaccination (oral/ subcutaneous / muscle)	1½ hrs.
Practice 5	Feeding through OG tube / NG tube / VS in children	1½ hrs.
Practice 6	Breathing treatment, percussion, phlegm suction and nasal irrigation in children	1½ hrs.
	Nursing practice skills exam	3 hrs.
Practice 7	Group meeting to analyze the situation of patients (PBL)	3½ hrs.
	Total	32 hrs.

Note: Students must submit a report on the use of the nursing process in the patient's situation 1 week after the presentation.

Procedures that students have to draw a lot for taking exam

1. Assessment of vital signs in children
2. Breathing treatment, percussion and phlegm suction in children
3. Feeding through OG tube / NG tube / VS in children
4. Peripheral intravenous in children
5. Subcutaneous / Intramuscular injection in children

Evaluation

1. Students have to attend class at least 80 percent of the total class time to be eligible to take the exam.
2. Norm-Referenced Evaluation is used in evaluating theory and practical exams. The passing criteria is 60 percent and higher. Grading includes A B⁺ B C⁺ C.

1. เอกสารและตำราหลัก

บุญเพียร จันทวัฒนา ฟองคำ ดิลกสกุลชัย บัญจรงค์ สุขเจริญ วิไล เลิศธรรมเทวี และศรีสมบุญ ณ มุสิกสุนทร . (2552). ตำราการพยาบาลเด็ก เล่ม 1. (ฉบับปรับปรุงครั้งที่ 1). กรุงเทพมหานคร: ห้างหุ้นส่วนจำกัดฟรี-วัน. ประคิด สุขฉายา และรัตนาวดี ขอนตะวัน. (พิมพ์ครั้งที่ 2 พศ. 2553) หน่วยที่ 1 หลักการพยาบาลเด็กและวัยรุ่น. ในเอกสารการสอนชุดวิชาการพยาบาลเด็กและวัยรุ่น หน่วยที่ 1-5 (ฉบับปรับปรุงครั้งที่ 1 พศ. 2551). นนทบุรี: สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมมาธิราช.

ประคิด สุขฉายา และรัตนาวดี ขอนตะวัน. (พิมพ์ครั้งที่ 2 พศ. 2553) หน่วยที่ 1 หลักการพยาบาลเด็กและวัยรุ่น. ใน เอกสารการสอนชุดวิชาการพยาบาลเด็กและวัยรุ่น หน่วยที่ 1-5 (ฉบับปรับปรุงครั้งที่ 1 พศ. 2551). นนทบุรี: สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมมาธิราช.

ภาควิชาการพยาบาลเด็กและการผดุงครรภ์ วิทยาลัยพยาบาลสภากาชาดไทย. (2555). ตำราการพยาบาลเด็กเล่ม 1-2. (พิมพ์ครั้งที่ 3). กรุงเทพมหานคร: โรงพิมพ์จุฬาลงกรณ์มหาวิทยาลัย.

สุขเกษม โฆษิตเศรษฐ. (2557). โรคเบาหวานในเด็ก **Diabetes Insipidus in Children “From Bench to Bedside”**. (พิมพ์ครั้งที่ 1). กรุงเทพมหานคร: บริษัทปิยอนด์ เอ็นเทอร์ไพรซ์ จำกัด.

สุพร ตริพงษ์ภุณ. (2558). ภาวะทางเดินอาหารทำหน้าที่ผิดปกติโรคทางกายในเด็ก **Pediatric**

Functional Gastrointestinal Disorders. (พิมพ์ครั้งที่ 1). กรุงเทพมหานคร: บริษัทโฮลิสติก แพ็บลิชชิง จำกัด.

รุจา ภูไพบูลย์. (บรรณาธิการ). (2558). การวางแผนการพยาบาลเด็กดีและเด็กป่วย. (พิมพ์ครั้งที่ 2). กรุงเทพฯ : โรงพิมพ์พระพรตศาสนาของธรรมสภา.

วีระชัย วัฒนวิระเดช ปิยรัชต์ สันตะรัตติวงศ์ และ ทวี โชติพิยสุนนท์. (2558). Update on Pediatric Infectious Diseases 2015. (พิมพ์ครั้งที่ 1). กรุงเทพมหานคร: บริษัทเฮลท์ เวิร์ค จำกัด.

2. เอกสารและข้อมูลสำคัญ

- กราฟแสดงการเจริญเติบโตเด็กชาย-หญิง
- แบบประเมินพัฒนาการเด็กปฐมวัย และเด็กวัยเรียน
- ตารางการให้วัคซีนในเด็กไทยปกติ 2561 (สมาคมโรคติดเชื้อในเด็กแห่งประเทศไทย)
- แบบแผนการให้อาหารเสริม

3. เอกสารและข้อมูลแนะนำ

Campbell S.K., Palisano, R.J., & Orlin, M.N. (2012). *Physical Therapy for Children*. 4th ed. Missouri:Elsevier.

Jarvis, C. (2012). *Physical Examination & Health Assessment*. USA: Elsevier.

Knippa A. et al. (2010). RN Nursing care of children. (edition 8th). USA.

Mikki Meadows-Oliver. (2015). *Pediatric Nursing made incredible easy*. Philadelphia: Wolters Kluwer.

Potts N.L. and Mandleco B.L. (2012). *Pediatric Nursing Caring for Children and Their families*. USA: DELMAR Cengage learning.

Price D.L. and Gwin, J. F. (2012). *Pediatric Nursing an Introductory Text* . (11th ed.). St. Louis: Elsevier Saunders.

Wilson, D. & Hockenberry, M.J. (2012). *Wong's Clinical Manual of Pediatric Nursing*. St. Louis: Elsevier Mosby.

Wong, D. (2011). *Wong's nursing Care of Infant and Children*. (Edition 9) Canada: Elsevier

Teaching Schedule / NPD 251 Child and Adolescent Nursing 1, Second year nursing students, Second semester, Academic year 2018

2nd year nursing students, first semester, Academic year 2019

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No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
1	Fri 11 Jan 19 01.15 p.m.-01.30 p.m.	Orientation		Lecture/ course syllabus	
	Fri 11 Jan	Unit 1 Principles of child and adolescent	- 1	Team based	- MCQ

No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
	19 01.30 p.m.- 03.20 p.m.	nursing and child care when admitted to the hospital 1.1 Concepts and principles of pediatric nursing - Definition of children - Convention on the Rights of the Child - Roles and responsibilities of pediatric nurses- Child-centered nursing care 1.2 Psychosocial care when children are admitted to the hospital - Reactions of children when they are ill - The effects of illness on children and families Acute phrase - Separation anxiety, Pain Chronic phrase - Body Image Death and Dying	- 2 - 4 - 7	learning/ PowerPoint / Situations/ Video clip	- IRAT - GRAT
	03.30 p.m.- 04.20 p.m.	Unit 2 Infant nursing 2.1 Physiological changes 2.2 Nursing care according to body systems 2.3 Nursing of children with genetic disorders	- 6	TBL/ PowerPoint/ Situations / Video clip	- MCQ
	04.30 p.m.- 05.20 p.m.	Unit 3 Immunization 3.1 Preventable communicable diseases by vaccines 3.2 Schedule for vaccination 3.3 History taking, screening before vaccination 3.4 Preparation before and during vaccination 3.5 Observation of symptoms after vaccination 3.6 Rational vaccination	- 4 - 6 - 9	TBL/ PowerPoint/ Situations / Video clip	- MCQ
2	Fri 18 Jan 19 01.30 p.m.-	Unit 4 Physical examination of newborns and children 4.1 Newborn physical examination	- 5	บรรยาย/ PowerPoint/ Situations /	- MCQ

No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
	02.20 p.m.	4.2 Infant physical examination 4.3 Physical examination of children and adolescents		Video clip	
	02.30 p.m.- 04.20 p.m.	Unit 5 Nursing of premature infants and term infants at high-risk 1.1 Nursing care for preterm infants, diseases or common abnormalities: RDS, Sepsis, Hypothermia, Hypoglycemia, Hypobilirubinemia, NEC, ROP, BPD, Apnea 1.2 Nursing care for term infants with MAS, Jaundice, Hypoglycaemia 1.3 Rational use of medicines	- 5 - 6 - 7 - 8 - 9 - 10	TBL/ PowerPoint/ Situations / Video clip	- MCQ - IRAT - GRAT
3	Fri 25 Jan 19 01.30 p.m.- 04.20 p.m.	Practice 1: 1 st Development stimulation / promotion of nutrition in early childhood at Child Development Center and Kindergarten School	- 6 - 8 - 9 - 11	Activities for development stimulation / promotion of nutrition in early childhood	Report
4	Fri 1 Feb 19 01.30 p.m.-04.20 p.m.	Practice 1: 2 nd Development stimulation / promotion of nutrition in early childhood at Child Development Center and Kindergarten School	- 6 - 8 - 9 - 11	Activities for development stimulation / promotion of nutrition in early childhood	Report
5	Fri 8 Feb 19 01.30 p.m.-04.20 p.m.	Practice 1: 3 rd Development stimulation / promotion of nutrition in early childhood at Child Development Center and Kindergarten School	- 6 - 8 - 9 - 11	Activities for development stimulation / promotion of nutrition in early childhood	Report
6	Fri 15 Feb	Practice 1: 4 th Development stimulation /	- 6	Activities for	Report

No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
	19 01.30 p.m.-04.20 p.m.	promotion of nutrition in early childhood at 1st Child Development Center and Kindergarten School	- 8 - 9 - 11	development stimulation / promotion of nutrition in early childhood	
7	Fri 22 Feb 19 01.30 p.m.-04.20 p.m.	Practice 1: 5 th Development stimulation / promotion of nutrition in early childhood at 1st Child Development Center and Kindergarten School	- 6 - 8 - 9 - 11	Activities for development stimulation / promotion of nutrition in early childhood	Report
8	Fri 1 Mar 19 01.30 p.m.-04.20 p.m.	Practice 1: 6 th Development stimulation / promotion of nutrition in early childhood at 1st Child Development Center and Kindergarten School	- 6 - 8 - 9 - 11	Activities for development stimulation / promotion of nutrition in early childhood	Report
9	Fri 8 Mar 19 01.30- 02.20 p.m.	Unit 6 Promotion of nutrition in children 6.1 The needs for supplementary food in children of each age 6.2 Promotion of nutrition in children / supplements in children of each age 6.3 Nutrition issues in children of each age and care - Malnutrition, Failure to thrive, obesity	- 4 - 6 - 7	Team based learning/ PowerPoint / Situations/ Video clip	- MCQ - IRAT - GRAT
	02.30 p.m.- 04.20 p.m.	Unit 7 Nursing care of children with gastrointestinal problems 7.1 Nursing care for children with gastrointestinal problems treated by medicine - Diarrhea, Gastroenteritis, Gastritis 7.2 Nursing care for children with	- 5 - 6 - 7 - 8 - 9 - 10	Team based learning/ PowerPoint / Situations / Video clip	- MCQ - IRAT - GRAT

No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
		gastrointestinal problems treated by operation - Hirschsprung's disease 7.3 1.3 Rational use of medicines for children with gastrointestinal problems			
10	Fri 15 Mar 19 01.30 p.m.- 03.20 p.m.	Unit 8 Nursing care of children with nervous and muscular system problems 8.1 Nursing care of children with Febrile Convulsion, Epilepsy, Seizure 8.2 Nursing care of children with Hydrocephalus 8.3 Nursing care of children with Encephalitis, Meningitis 8.4 Nursing care of children with Cerebral palsy 8.5 Rational use of medicines	- 5 - 6 - 7 - 8 - 9 - 10	Team based learning/ PowerPoint / Situations / Video clip	- MCQ - IRAT - GRAT
	03.30 p.m.- 04.20 p.m.	Unit 9 Principles of promotion of growth and child development 9.1 Growth and development 9.2 Promotion of development according to age	- 3	บรรยาย/ PowerPoint / Situations / Video clip	- MCQ
	Fri 22 Mar 19 01.30 p.m.- 02.20 p.m.	Unit 10 Child development assessment 10.1 Hygiene 55 10.2 Denver II 10.3 DSPM 10.4 TIDA 4I	- 3	Team based learning/ PowerPoint / Situations / Video clip	- MCQ - IRAT - GRAT
	02.30 p.m.- 04.20 p.m.	Unit 11 Nursing care of children with respiratory problems 11.1 Nursing care for children with common upper respiratory tract problems: Common cold, Pharyngitis, Tonsillitis, otitis media, sinusitis, Epiglottitis, Croup	- 5 - 6 - 7 - 8 - 9 - 10	Team based learning/ PowerPoint / Situations / Video clip	- MCQ

No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
		11.2 Nursing care for children with common lower respiratory tract problems: Bronchiolitis, Bronchitis, Pneumonia, Empyema, Atelectasis 11.3 Allergic respiratory diseases - Rhinitis , Asthma - Respiratory system nursing - Aerosol therapy - Chest physiotherapy - Nasal irrigation 11.4 Rational use of medicines children with respiratory problems			
11	Wed 27 Mar 19 01.30 p.m.- 02.00 p.m.	** Theory exam Unit 4/9 (8 items)**			MCQ
12	Fri 29 Mar 19 01.30 p.m.-02.20 p.m.	1st analysis and discussion of the patient's situation	- 5 - 6 - 7 - 8	Group discussion/ analyzing and presenting the situation	Report
	02.30- 04.00 p.m. 1 ½ hrs.	Practice 2: Physical examination, assessment of vital signs and O₂ Sat / Tepid Sponge in infants and children	- 9	Nursing practice	OSCE
14	Wed 3 Apr 19 01.30 p.m.-02.00 p.m.	** Retaking theory exam Unit 4/9 (8 items)**			MCQ
15	Fri 5 Apr 19 01.30 p.m.- 03.00 p.m.	Practice 3: Baby bathing, eye and navel cleaning / measuring weight and height	- 9	Nursing practice	OSCE
	03.00-	Practice 4: Vaccination (oral/	- 9	Nursing	OSCE

No	Date/ time	Topics	CLO	Teaching and learning activities and materials	Assessment
	04.30 p.m.	subcutaneous / muscle)		practice	
16	Fri 12 Apr 19 01.30 p.m.- 03.00 p.m.	2nd analysis and discussion of the patient's situation	- 5,6,7 8	Group discussion/ analyzing and presenting the situation	Presentation
	03.00 p.m.- 04.00 p.m. 1 hrs.	Practice 5: Feeding through OG tube / NG tube / VS in children		Nursing practice	OSCE
17	Fri 19 Apr 19 01.30 p.m.- 02.30 p.m. 1 hr.	3rd analysis and discussion of the patient's situation	- 5 - 6 - 7 - 8	Group discussion/ analyzing and presenting the situation	Report
	02.30 p.m.- 04.00 p.m. 1 ½ hrs.	Practice 6: Breathing treatment, percussion, phlegm suction and nasal irrigation in children	- 9	Nursing practice	OSCE
18	Fri 26 Apr 19 01.30 p.m.- 04.20 p.m. 3 hrs.	Practical skills exam in real situations: 2 out of 5 procedures by drawing lots	- 9	Nursing practice test	OSCE
19	Fri 3 May 19 01.30 p.m.- 04.20 p.m. 3 hrs.	Retaking practical skills exam in real situations: 2 out of 5 procedures by drawing lots	- 9	Nursing practice test	OSCE

Note: The report of development stimulation / nutrition promotion for early childhood must be submitted 1 week after the end of activity.