



كلية التمريض



جامعة الزقازيق

## Course Specifications

### 1- Basic information

**Code :** (450)

**Title** Seminars in issues and recent trends in pediatric nursing

**Level:** 1<sup>st</sup> doctoral program

**Credit hours :** -

**Theoretical :48**

**Practical :-**

**Program(s) on which the course is given** : Doctoral program

**Major or minor element of program** : Major program

**Department offering the program** : Pediatric nursing

**Department offering the course** : Pediatric nursing

**Date of specification approval** : 7/2020

**Academic year** : 2020-2022

2- At the end of the course the doctorate student will be able to recognize strategies for increasing the contribution to pediatric nursing into through research, education and practice implementation.

### 3- Intended Learning Outcomes of Course (ILOs)

#### a- Knowledge and Understanding :

**By the completion of this course the student should be able to**

a1- · Recognize recent trends in the major health pediatric professions.

a2- · Describe issues and trends that influence the nursing education, practice, and research.

a3- · Recognize the ethical issues relevant to the pediatric nursing profession.

a4- · Define the concept of nursing informatics.

- a5- Identify appropriate research design, drawing on a deep understanding of methods from at least one research tradition
- a6- Recognize scientific and theoretical knowledge from nursing and other disciplines to develop new practice approaches reflective of the highest level of nursing practice.
- a7- Identify clinical pathway as a tool to evaluate outcomes, to evaluate new practice approaches, and to evaluate and improve healthcare delivery systems, practice guidelines and health policy.
- a8- Describe evidence-based practice (EBP).

**b- Intellectual Skills**

**By the completion of this course the student should be able to**

- b1- Discuss differences among nursing theories and the modalities of nursing practice.
- b2- Compare different educational nursing programs
- b3- Locate Discuss ethical clinical judgment and inter-professional collaboration
- b4- Explain how to use clinical pathways and clinical practice guidelines to help guide therapeutic decision making.
- b5- . Describe how healthcare information systems and electronic health records can be used to enhance client care.
- b6- differentiate between evidence-based practice, research, research utilization, and quality improvement
- b7- Discuss the importance of EBP to nursing practice and high-quality patient care.

**c- Professional and practical skills**

- c1-
- c2-
- c3- This course has no practical hours
- c4-
- c5-
- c6-

**d- General and transferable skills**

**By the completion of he course the student should be able to**

- d1- Enhance quality of care of health care outcomes.
- d2- Improve confidence in decision making.
- d3- Utilize basic principles for health education and counseling
- d 4- Apply principles of human rights.
- d 5- Group working & problem solving.
- d6- Use appropriate records, reports & documents.

**e- Attitude**

**By the completion of this course the student should be able to**

- e1- Protects and promotes patient/ client rights to autonomy, respect, privacy, and dignity
- e2- Communicates with patient / client with a respect for different values, cultures, intellectual levels and emotional state.

**4- Course Contents:**

Week	Topic	No. of hours		Methods of teaching
		Lecture	Practical	
1-2	Nursing theories	6	-	- Lecture & Discussion - Blended & Online learning - Self learning
3	Application of nursing theories in pediatrics	3	-	
4-5	Ethical issues in nursing	6	-	
6	Clinical pathway in nursing	3	-	
7-8	Evidence based practice in nursing	6	-	
9-10	Issues and trends that influence the nursing education	6	-	
11-12	Issues and trends that influence the nursing research	6	-	
13	Issues and trends that influence the nursing practice	3	-	
14	Issues and trends that influence the nursing practice	3	-	
15-16	Nursing Informatics	6	-	
	Total	48	-	

**5- Teaching and learning methods :**

- Lectures

- Seminar
- Semester work (Self learning via research papers presentation)
- Blended & Online Learning

## **6- Student Assessment :**

### **A- Assessment Method**

- A.1 Semester work  
A.2 Final written examination

### **B- Time Schedule**

Semester work	Week : through semester term
Final written Examination	Week : 17 weeks

### **C- Grading system**

Final written Examination	% 80
Semester work	% 20
Other types of assessment	% 0

## **7- List of References**

### **A - Course Note : Not applicable**

### **B - Required Books (Text Books)**

1. Bowden VR.& Greenbery CS.(2016): Pediatric Nursing Procedures, 3<sup>rd</sup> ed. Walters Kluwer Health | Lippincott Williams and Wilkins Co., Baltimore.
2. Barker AM.(2019): Advanced Practice Nursing, Essential Knowledge for the Profession. Jones and Bartlett, NewYork.
3. Kyle T (2012): Essentials of Pediatric Nursing. Wolters Kluwer Health | Lippincott Williams & Wilkins Co., Baltimore.
4. Hokenberry MJ & Wilson D (2016): Wong's Essentials of Pediatric Nursing, 8th ed., Mosby Elsevier Co., Baltimore.
5. Hokenberry MJ & Wilson D (2017): Wong's Nursing Care of Infants and Children, 8<sup>th</sup> ed. Mosby Elsevier Co., Baltimore.

### **C - Recommended Books**

1. Potts NL & Mandleco BL(Eds.) (2016), Pediatric Nursing: Caring for Children and Their Families, 3<sup>rd</sup> ed.

Delmar Cengage Learning Co., Canada.

2. Pillitteri A (2012): Maternal and Child Health Nursing: Care of the Childbearing and Childrearing Family, 6<sup>th</sup> ed. Lippincott Williams & Wilkins a Wolters Kluwer business Co., Philadelphia.
3. Ashwill J, Murray SS, James SR & McKinney ES (2016): Maternal-Child Nursing, 3<sup>rd</sup> ed. Saunders Elsevier Co., Canada.
4. James SR & Ashwill JW (2017): Nursing Care of Children Principles & Practice, 3<sup>rd</sup> ed. Saunders Elsevier Co., Canada.

#### **D - Periodicals, Web Sites, ...etc**

1. Nursing Children and Young People: -  
<http://nursingchildrenandyoungpeople.rcnpublishing.co.uk/>
2. Society of Pediatric Nurses: -  
<http://www.pedsnurses.org/>
3. Pediatric Nursing Journal: -  
<http://www.pediatricnursing.net/>
4. American Academy of Pediatrics [www.aap.org](http://www.aap.org)
5. Children First for Health [www.childrenfirst.nhs.uk/](http://www.childrenfirst.nhs.uk/)
6. The Children's Heart Institute  
[www.childrenheartinstitute.org/educate/eduhome.htm](http://www.childrenheartinstitute.org/educate/eduhome.htm)

ChildStats.gov <http://childstats.gov>

#### **8- Facilities required for teaching and learning**

Course Coordinator: Prof.Dr/ Amal Mohamed El-dakhakhny

Head of Department Prof.Dr/ Amal Mohamed El-dakhakhny

Date:     /     /

University: Zagazig University  
 Faculty/Institute: Faculty of Nursing  
 Department: Pediatric Nursing

Course name	Seminars in issues and recent trends in pediatric nursing
Course code	450

Course Content of	Knowledge	Intellectual Skills	Professional skills	General skills	Attitude
Unit 1: Nursing theories development	A.6,	B.1,	-	D.1, D.2	
Unit 2: Ethical issues in nursing	A.3,	B3	-	D.1	E1., E2
Unit 3: Clinical pathway in nursing	A.9	, B4	-	D.2,D.5	
Unit 4: Evidence based practice in nursing	A.10,A.1	B.7, B6	-	D.6, D3	
Unit 5: Issues and trends that influence the nursing education	A.1, A.2	B.2	-	D.6, D.2	
Unit 6: Issues and trends that influence the nursing research	A.5, A.2	B.6,	-	D.4,D.6	
Unit 7: Issues and trends that influence the nursing practice	A.2,A.1	B.4, B1		D.1, D.5	E2
UNIT8:Nursing Informatics	A4	B5			

**Course Coordinator: Prof.Dr/ Amal Mohamed El-Dakhakhny**

## Course Specifications

### 1- Basic information

Code: 456

**Title :** Seminars in Pediatric  
Nursing (general)

**Level :** 1<sup>st</sup> doctoral  
program

**Credit hours : -**

**Theoretical :48**

**Practical :-**

**Program(s) on which the course is given** : Doctoral program

**Major or minor element of program** : Major

**Department offering the program** : Pediatric nursing

**Department offering the course** : Pediatric nursing

**Date of specification approval** : 7/2020

**Academic year** : 2020-2022

2- This course is aiming at providing doctorate student with scientific principles and concepts related to safe effective care of children from birth to adolescent and their families during some critical circumstances that require specific nursing interventions.

### 3- Intended Learning Outcomes of Course (ILOs)

#### a- Knowledge and Understanding :

**By the completion of this course the student should be able to**

- a1- Recognize the major physiologic events associated with the perception of pain and the developmental considerations of the effects and management of pain in children from birth through adolescence.
- a2- Mention the factors that influence the reactions and responses of children and their families during chronic illness and disability.
- a3- Describe ways that nurses assist children with special needs and their families to obtain optimal functioning.
- a4- Describe ways that nurses assist children with special needs and their families to obtain optimal functioning.
- a5- Recognize ethical considerations related to caring for terminally ill children and their families.
- a6- Identify factors and the developmental tasks affecting child rearing.
- a7- Describe the nature and scope of Therapeutic Nutrition
- a8- Describe therapeutic nutritional guidelines for children in relation to their illness.

**b- Intellectual Skills**

**By the completion of this course the student should be able to**

- b1- Analyze the impact of having a child with special needs on the family and on the child himself.
- b2- Plan for transition of a child with special needs from the inpatient facility to the home or from pediatric to adult medical care.

Discuss the nursing care for terminally ill children.

Analyze the effect of the different parents' style on their children discipline.

. Distinguish between different physical developmental defects in relation to nursing care plans in different pediatric sittings.

Design an individualized nursing care plan for children with physical development defects

Establish therapeutic nutritional strategy for a child with specific disease.

Discuss pain assessment rating scales according to the child's age.

**c- Professional and practical skills**

None

**d- General and transferable skills**

**By the completion of this course the student should be able to**

- d1- Encourage problem solving and decision – making
- d2- Use appropriate interpersonal communication skills (written and oral communication) .
- d3- Apply basic principles for health education and counseling
- d 4- Enhance working with a team spirit and lead them effectively.
- d 5- Demonstrate capacity for self directed learning.

**e- Attitude**

**By the completion of this course the student should be able to**

- e1- Protects and promotes patient/ client rights to autonomy, respect, privacy, and dignity
- e2- Acts as a role model and mentor for less experienced nursing care providers and nursing students.
- e3- Communicates with patient / client with a respect for different values, cultures, intellectual levels and emotional state.

**4- Course Contents:**

Week	Topic	No. of hours	
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		Lecture	practical	Methods of teaching
1	<u>Pediatric pain (Acute, chronic)</u>	3	-	-Lecture & Discussion -Self learning -Blended learning
2	<u>Pain assessment tools and management for pediatrics</u>	6	-	
3	<u>Perspectives on the Care of Children with Special Needs</u>	3	-	
4	<u>Nursing Care of the Family and Child with Special Needs</u>	3	-	
5	<u>Perspectives on the Care of Terminally ill Children</u>	3	-	
6	<u>Nursing Care of the Child and Family at the End of Life</u>	3	-	
7	<u>Child rearing &amp; parenting style</u>	3	-	
8	<u>Child rearing practices and techniques of changing children behavior</u>	3	-	
9	<u>Physical developmental defects</u> 1. Malformations of the central nervous system (including nursing care)	3	-	
9				

10	<b><u>Physical developmental defects</u></b> Cranial deformities & Skeletal defects (including nursing care)	3	-	
11	<b><u>Physical developmental defects</u></b> 2. Disorders of the gastrointestinal tract & Hernias(including nursing care)	3	-	
12	<b><u>Physical developmental defects</u></b> 3. Defects of the genitourinary tract (including nursing care)	3	-	
13	<b><u>Therapeutic Nutrition for all at risk patient who could be:</u></b> <ul style="list-style-type: none"> <li>• Preparing for surgery</li> <li>• Recovering from surgery</li> <li>• Hospitalized for acute or chronic diseases or conditions</li> <li>• Staying in short- or long-term care residential facilities</li> </ul>	3	-	
14	<b><u>Therapeutic Nutrition for all at risk patient who could be:</u></b> <ul style="list-style-type: none"> <li>• Experiencing involuntary weight loss</li> <li>• Overweight</li> <li>• Frail and at risk for protein-energy malnutrition (PEM)</li> </ul>	3	-	
15-16	<b><u>Therapeutic Nutrition for all at risk patient who could be:</u></b> <ul style="list-style-type: none"> <li>• Living with impaired</li> </ul>	3	-	
10				

	glucose tolerance <ul style="list-style-type: none"> <li>• Requiring additional immune support</li> <li>• Metabolically stressed</li> <li>• Recovering from anorexia, stress, trauma, or burns</li> <li>• Living with kidney disease or chronic obstructive pulmonary disease</li> </ul>			
	Total	48	-	

### 5- Teaching and learning methods :

- Lectures
- Seminar
- Semester work (Self learning via research papers presentation)
- Blended Learning
- Online Learning

### 6- Student Assessment :

#### A- Assessment Method

A.1 Semester work

A.2 Final written examination

#### B- Time Schedule

Semester work	Week : through semester term
Final written examination	Week : 17 weeks

#### C- Grading system

Final - term Examination	% 80
Semester work	% 20
Other types of assessment	%0

### 7- List of References

**A - Course Note : Not applicable**

**B - Required Books (Text Books)**

1. Bowden VR.& Greenbery CS.(2016): Pediatric Nursing Procedures, 3<sup>rd</sup> ed. Walters Kluwer Health | Lippincott Williams and Wilkins Co., Baltimore.
2. Barker AM.(2019): Advanced Practice Nursing, Essential Knowledge for the Profession. Jones and Bartlett, New York.
3. Kyle T (2012): Essentials of Pediatric Nursing. Wolters Kluwer Health | Lippincott Williams & Wilkins Co., Baltimore.
4. Hokenberry MJ & Wilson D (2016): Wong's Essentials of Pediatric Nursing, 8th ed., Mosby Elsevier Co., Baltimore.
5. Hokenberry MJ & Wilson D (2017): Wong's Nursing Care of Infants and Children, 8<sup>th</sup> ed. Mosby Elsevier Co., Baltimore.

**C - Recommended Books**

1. Potts NL & Mandleco BL(Eds.) (2016), Pediatric Nursing: Caring for Children and Their Families, 3<sup>rd</sup> ed. Delmar Cengage Learning Co., Canada.
2. Pillitteri A (2012): Maternal and Child Health Nursing: Care of the Childbearing and Childrearing Family, 6<sup>th</sup> ed. Lippincott Williams & Wilkins a Wolters Kluwer business Co., Philadelphia.
3. Ashwill J, Murray SS, James SR & McKinney ES (2016): Maternal-Child Nursing, 3<sup>rd</sup> ed. Saunders Elsevier Co., Canada.
4. James SR & Ashwill JW (2017): Nursing Care of Children Principles & Practice, 3<sup>rd</sup> ed. Saunders Elsevier Co., Canada.

**D - Periodicals, Web Sites, ...etc**

1. Nursing Children and Young People: -

<http://nursingchildrenandyoungpeople.rcnpublishing.co.uk/>

2. Society of Pediatric Nurses: - <http://www.pedsnurses.org/>

3. Pediatric Nursing Journal: - <http://www.pediatricnursing.net/>

4. American Academy of Pediatrics [www.aap.org](http://www.aap.org)

5. Children First for Health [www.childrenfirst.nhs.uk/](http://www.childrenfirst.nhs.uk/)

6. The Children's Heart Institute

[www.childrenheartinstitute.org/educate/eduhome.htm](http://www.childrenheartinstitute.org/educate/eduhome.htm)

ChildStats.gov <http://childstats.gov>

## **8- Facilities required for teaching and learning**

Course Coordinator: Prof. Amal Mohamed Mohamed El-Dakhakhny

Head of Department

**Prof. Amal Mohamed Mohamed  
El-Dakhakhny**

Date:     /     /

University: Zagazig University  
 Faculty/Institute: Faculty of Nursing  
 Department: Pediatric Nursing

Course name	Seminars in Pediatric Nursing (general)
Course code	456

Content of Course	Knowledge	Intellectual Skills	Professional skills	General skills	Attitude
<b>Unit 1 : <u>Pain Assessment and Management in Children</u></b>	A.1,	B.8	C1, C2	D5, D1	E1,E2,E3
<b>Unit II</b> <b><u>The Child And Family With Special Needs</u></b>	A.3, A.2,	B.1, B.2	C3	D.1, D.4, D.5	E1,E2,E3
<b>Unit III</b> <b><u>Perspectives on the Care of Terminally ill Children</u></b>	A.4, A5	,B3	C3	D.5, D.4	E1,E2,E3
<b>Unit IV</b> <b><u>Child rearing practices</u></b>	A.6	B 4	C.4	D.1, D.4,	E1,E2,E3
<b>Unit V</b> <b><u>physical Developmental defects</u></b>	A.2,	B 5	C5	D.5, D.6	E1,E2,E3
<b>Unit VI</b> <b><u>Therapeutic Nutrition</u></b>	A7, A8	B.7	C.6	D.5, D.4	E1,E2,E3

**Course coordinator: Prof.Dr/ Amal Mohamed El-Dakhakhny**

## Course Specifications

### 1- Basic information

Code: 462

**Title :** Seminars in the area of (speciality (specific  
**Level :** 1<sup>st</sup> doctoral program

**Credit hours : -**

**Theoretical :48**

**Practical : -**

**Program(s) on which the course is given :** Doctoral program

**Major or minor element of program :** Major program

**Department offering the program :** Pediatric nursing

**Department offering the course :** Pediatric nursing

**Date of specification approval :** 7/2020

**Academic year :** 2020-2022

2- At the end of the course the doctorate student will be equipped with essential knowledge, skills, and attitudes needed to provide competent care to children during health and illness from birth to adolescence

### 3- Intended Learning Outcomes of Course (ILOs)

#### a- Knowledge and Understanding :

**By the completion of this course the student should be able to**

- a1- Describe common laboratory and diagnostic tests used in the diagnosis and management of various childhood medical conditions
- a2- Mention common medications and treatments used for management of various medical problems
- a3- Recognize risk factors associated with the different pediatric medical disorders

#### b- Intellectual Skills

**By the completion of this course the student should be able to**

- b1- Differentiate between various infectious illness occurring in childhood from birth to adolescence according to types of rash
- b2- Distinguish among different medical childhood illnesses based on the signs and symptoms.

**c- Professional and practical skills**

**Not applicable**

**d- General and transferable skills**

**By the completion of the course the student should be able to**

- d1- Adopt self learning and continuous self evaluation
- d2- Utilize interpersonal skills to communicate effectively.
- d3- Motivate self learning and continuous self evaluation
- d 4- Demonstrate leadership ability in conducting and managing the scientific seminars.
- d 5- Use computer skills to implement course requirements

**e- Attitude**

**E1-** Appreciates and promotes patient \ client rights to autonomy, respect, Privacy, dignity, and access to information.

**E2-** Values her role as a model for less experienced nursing Care Providers and nursing students.

**E3-** Respects and encourages the patients participation in decision about health care and services.

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**4- Course Contents:**

Week	Topic	No. of hours		Methods of teaching
		Lecture	Practical	
1-2	<b>Infectious Diseases</b> <ul style="list-style-type: none"><li>• Congenital infection (TORCH)</li><li>• Differential diagnosis of rash</li></ul>	6	-	- Lecture & Discussion - Blended & Online learning - Self learning
3-4	<b>Neonatology</b> <ul style="list-style-type: none"><li>• Rh-isoimmunization</li><li>• Hyperbilirubinemia</li></ul>	6	-	
5	<b>Neurologic Disorders</b> Seizure Disorders (Epilepsy, Febrile Seizures, Neonatal	3	-	



	Seizures)			
6	<b>Genetic disorders:3</b> <ul style="list-style-type: none"> <li>• Patterns of Inheritance</li> <li>• Turners syndrome</li> <li>• Down syndrome</li> </ul>	3	-	
7	<b>Endocrine disorders3</b> <ul style="list-style-type: none"> <li>• Growth Hormone Deficiency</li> </ul>	3	-	
8-9	<b>Endocrine disorders3</b> <ul style="list-style-type: none"> <li>• Congenital Hypothyroidism</li> <li>• Cushing's Syndrome</li> </ul>	6		
10	<b>Nutritional disorders3</b> <ul style="list-style-type: none"> <li>• Failure to thrive</li> </ul>	3	-	
11	<b>Gastrointestinal Disorders3</b> <ul style="list-style-type: none"> <li>• Inflammatory Bowel Disease</li> </ul>	3	-	
12,13,14	<b>Cardiology</b> <ul style="list-style-type: none"> <li>• Cardiomyopathy</li> <li>• Hypertension</li> <li>• Hyperlipidemia</li> </ul>	12	-	
15-16	<b>Hematological disorders:</b> <ul style="list-style-type: none"> <li>• Hemolytic anemia (thalassemia – sickle cell disease).</li> <li>• Clotting Disorders (Hemophilia)</li> </ul>	6	-	
	Total	48		

### 5- Teaching and learning methods :

- Lecture & discussion
- Seminar
- Semester work (Self learning via research papers presentation)
- Blended & online Learning

### 6- Student Assessment :

## **A- Assessment Method**

- A.1 Semester work
- A.2 Final written examination

## **B- Time Schedule**

Semester work	Week : through semester term
Final written examination	Week : 17 weeks

## **C- Grading system**

Final written Examination	% 80
Semester Work	% 20
Other types of assessment	%-

## **7- List of References**

### **A - Course Note : Not applicable**

### **B - Required Books (Text Books)**

- Marc dante KJ, Kliegman HB, & Behrman RE (2016): Nelson Essentials of Pediatrics, 6<sup>th</sup> ed. Saunders Co., Canada.
- Kliegman RM, Jenson HB, Behrman RE, and Stanton BF (Eds) (2017). Nelson Textbook of Pediatrics, 18<sup>th</sup> ed. Saunders Elsevier Co., Philadelphia

### **C - Recommended Books**

- Lucking SE, Maffei FA, Tamburro RF and Thomas NJ (2018): Pediatric Critical Care Study Guide: Text and Review. Springer Co., New York
- Fuhrman BP and Zimmerman JJ (2016): Pediatric Critical Care: Expert Consult Premium, 4<sup>th</sup> ed. Mosby Co., Philadelphia.
- Barry P, Morris K and Ali T (2016): Pediatric Intensive Care. Oxford University Press Co., New York.
- Derek S. Wheeler DS, Wong HR and Shanley TP (2016): Science and Practice of Pediatric Critical Care Medicine. Springer Co., New York.
- Kirpalani H, Huang LH and Duffet M (2019): Manual of Pediatric Intensive Care. PMPH Co., USA.

### **D - Periodicals, Web Sites, ...etc**

emedicine - medscape pediatrics: -

[http://emedicine.medscape.com/pediatrics\\_general](http://emedicine.medscape.com/pediatrics_general)

American Academy of Pediatrics [www.aap.org](http://www.aap.org)

## **8- Facilities required for teaching and learning**

Course Coordinator: Prof.Dr/ Mervat Abdallah Hesham

Head of Department Prof. Amal Mohamed Mohamed El-Dakhakhny

Date:     /     /

University: Zagazig University  
 Faculty/Institute: Faculty of  
 Nursing  
 Department: Pediatric Nursing Department

Course name	Seminars in the area of speciality (specific)
Course code	462

Content of Course	Knowledge	Intellectual Skills	Professional skills	General skills	Attitude
<b>Unite (1): Infectious Diseases</b>	,A.1	B.1,		D.4,	
<b>Unite (2): Neonatology</b>	A.3	B.2		D.1	
<b>Unite (3): Neurologic Disorders</b>	A.3	B.2		D.1	
<b>Unite (4):Genetic disorders:</b>	A.3	B.1		D.4, D.5	
<b>Unite (5): Endocrine disorders</b>	A.2	B.2		D.5,	
<b>Unite (6): Nutritional disorders</b>	A.2	B.2		, D.4, D.5,	
<b>Unite (7): Gastrointes tinal Disorders</b>	A.2	B.2		D.1	
<b>Unite (8): Cardiology</b>	A3	, B.2		D.4,	
<b>Unite (9): Hematological disorders:</b>	A.1	B.2		D.3	

**Course Coordinator: Prof.Dr/ Mervat Abdallah Hesham**

## Course Specifications

### 1- Basic information

**Code:** 468

**Title :** Seminars in Pediatric  
(Nursing (general

**Level :** 2<sup>nd</sup> semester

**Credit hours :** -

**Theoretical :48**

**Practical : -**

**Program(s) on which the course is given** : Doctoral program

**Major or minor element of program** : Major

**Department offering the program** : Pediatric nursing

**Department offering the course** : Pediatric nursing

**Date of specification approval** : 7/2020

**Academic year** : 2020-2022

- 2- At the end of the course the doctorate student will be able to utilize the dynamic relationship of physical, psychological responses to patho-physiological problems occurring for children in different pediatric settings, with emphasis on content assessment strategies, diagnostic testing, dietary requirements, treatment modalities, as well as therapeutic nursing intervention. Develop research aspect by applying research finding specific to each seminar item.

### 3- Intended Learning Outcomes of Course (ILOs)

#### a- Knowledge and Understanding :

**By the completion of this course the student should be able to**

- a1- Describe types of childhood cancer.
- a2- Recognize types of child abuse.
- a3- Describe nursing interventions for children with neurologic illness.
- a4- Mention common laboratory and other diagnostic tests useful in the diagnosis of various medical conditions in pediatrics.
- a5- Recognize common medications and other treatments used for treatment of various pediatric medical conditions.

#### b- Intellectual Skills

**By the completion of this course the student should be able to**

- b1- Compare between adulthood and childhood cancer.
- b2- Distinguish common cardiovascular disorders in pediatrics.  
Discuss the common signs and symptom of abused children

Differentiate immune and autoimmune disorders common in children from birth through adolescence.

Compare between children and adults regarding the anatomy and physiology of the neurologic, Cardiovascular, and Immunologic systems.

Design a plan of care for children with different neurologic disorders.

**c- Professional and practical skills**

c1- Apply nursing care for children with cancer who receiving different treatment modalities.

c2- Carry out plan of care for children under going organ transplantation.

c3- Implement nursing process in management of children with neurological, cardiovascular and immunologic disorders.

c4- Demonstrate competency in assessing abused and neglected children.

**d- General and transferable skills**

**By the completion of the course the student should be able to**

d1- Encourage problem solving and decision – making

d2- Conduct proper communication and counseling to mothers and children

d3- Use appropriate interpersonal communication skills (written and oral communication).

d 4- Apply basic principles for health education and counseling

d 5- Apply principles of human rights.

d6- Enhance working with a team spirit and lead them effectively.

d7- Demonstrate capacity for self directed learning.

**e- Attitude**

**By the completion of this course the student should be able to**

e1- Protects and promotes patient/ client rights to autonomy, respect privacy, and dignity

e2- Acts as a role model and mentor for less experienced nursing care providers and nursing students.

e3- Communicates with patient / client with a respect for different values cultures, intellectual levels and emotional state.

**4- Course Contents:**

Week	Topic	No. of hours		Methods of teaching
		Lecture	Practical	
1-4	<b>Caring of children with cancer</b>	12	-	- Lecture &

				Discussion
5-6	<u>Caring of children with organ transplantation</u>	8	-	- Blended & Online learning
7,8,9	<u>Nursing Care of the Child With a Neurologic Disorder</u>	12	-	- Self learning
10,11	<u>Nursing Care of the Child With a Cardiovascular Disorder</u>	4	-	
12-13	<u>Nursing Care of the Child With an Immunologic Disorder</u>	8	-	
14,15,16	<u>Child Abuse And Neglect</u>	4	-	
	Total	48	-	

#### 5- Teaching and learning methods :

- Lecture & discussion
- Seminar
- Semester work (Self learning via research papers presentation)
- Blended & Online Learning

#### -Student Assessment

- Final written examination.
- Semester work

#### B- Time Schedule

Semester work	Week : Through semester term
Final written Examination	Week : 17 weeks

#### C- Grading system

Final - term Examination	% 80
Semester work	% 20
Other types of assessment	%0

## 7- List of References

### A - Course Note : Not applicable

### B - Required Books (Text Books)

6. Bowden VR.& Greenbery CS.(2018): Pediatric Nursing Procedures, 3<sup>rd</sup> ed. Walters Kluwer Health | Lippincott Williams and Wilkins Co., Baltimore.
7. Barker AM.(2019): Advanced Practice Nursing, Essential Knowledge for the Profession. Jones and Bartlett, NewYork.
8. Kyle T (2018): Essentials of Pediatric Nursing. Wolters Kluwer Health | Lippincott Williams & Wilkins Co., Baltimore.
9. Hokenberry MJ & Wilson D (2016): Wong's Nursing Care of Infants and Children, 7th ed. Mosby Elsevier Co., Baltimore.
10. Hokenberry MJ & Wilson D (2017): Wong's Essentials of Pediatric Nursing, 8th ed., Mosby Elsevier Co., Baltimore.

### C - Recommended Books

5. Potts NL & Mandleco BL(Eds.) (2020), Pediatric Nursing: Caring for Children and Their Families, 3<sup>rd</sup> ed. Delmar Cengage Learning Co., Canada.
6. Pillitteri A (2012): Maternal and Child Health Nursing: Care of the Childbearing and Childrearing Family, 6<sup>th</sup> ed. Lippincott Williams & Wilkins a Wolters Kluwer business Co., Philadelphia.
7. Ashwill J, Murray SS, James SR & McKinney ES (2019): Maternal-Child Nursing, 3<sup>rd</sup> ed. Saunders Elsevier Co., Canada.
8. James SR & Ashwill JW (2017): Nursing Care of Children Principles & Practice, 3<sup>rd</sup> ed. Saunders Elsevier Co., Canada.

### D - Periodicals, Web Sites, ...etc

7. Nursing Children and Young People: -  
<http://nursingchildrenandyoungpeople.rcnpublishing.co.uk/>
  8. Society of Pediatric Nurses: - <http://www.pedsnurses.org/>
  9. Pediatric Nursing Journal: - <http://www.pediatricnursing.net/>
  10. American Academy of Pediatrics [www.aap.org](http://www.aap.org)
  11. Children First for Health [www.childrenfirst.nhs.uk/](http://www.childrenfirst.nhs.uk/)
  12. The Children's Heart Institute
-



[www.childrenheartinstitute.org/educate/eduhome.htm](http://www.childrenheartinstitute.org/educate/eduhome.htm)

ChildStats.gov <http://childstats.gov>

## **8- Facilities required for teaching and learning**

Course Coordinator: Prof.Dr/ Amal El-Dakhakhny

Head of Department

Date:

Course name	Seminars in Pediatric Nursing (general)
Course code	468

University: Zagazig University  
Faculty/Institute: Faculty of Nursing  
Department: Pediatric Nursing Department

Content of Course	Knowledge	Intellectual Skills	Professional skills	General skills	Attitude
<b>Unit I: Caring of children with cancer</b>	A.1	B.1	C.1	D1, D3, D5	E1, E2, E3
<b>Unit II Caring of children with organ transplantation</b>	A.5, A4		C.2	D.1, D.5	E1, E2, E3
<b>Unit III: Nursing Care of the Child With a Neurologic Disorder</b>	A.3, A5	B.6	C.3	D.5, D1	E1, E2, E3
<b>Unit IV: Nursing Care of the Child With a Cardiovascular Disorder</b>	A.4, A.5,	B.2	C.3	D.5, D.1	E1, E2, E3
<b>Unit V : Nursing Care of the Child With an Immunologic Disorder</b>	A.4, A.5,	, B.4, B.5	C.3	D.5, D.1	E1, E2, E3
<b>Unit VI: Child Abuse And Neglect</b>	A.2,	B.3	C.4	D.1, D.5	E1, E2, E3

**Course Coordinator: Prof.Dr/ Amal El-Dakhakhny**

## Course Specifications

### 1- Basic information

**Code:** 474

**Title :** Seminars in the area of  
(speciality (specific

**Level :** 2<sup>nd</sup> doctoral  
program

**Credit hours :** -

**Theoretical :48**

**Practical :-**

**Program(s) on which the course is given** : Doctoral program

**Major or minor element of program** : Major

**Department offering the program** : Pediatric nursing

**Department offering the course** : Pediatric nursing

**Date of specification approval** : 7/2020

**Academic year** : 2020-2022

2- This course aims to provide the doctorate student with the advanced Pediatric knowledge that helps to acquire satisfactory level of update knowledge in the area of pediatric medicine. Provide active participation in pediatric community needs assessment and problems identification. Introduce candidates to the basic of scientific research that add new knowledge to the pediatric field.

### 3- Intended Learning Outcomes of Course (ILOs)

#### a- Knowledge and Understanding :

**By the completion of this course the student should be able to**

a1- Describe common laboratory and diagnostic tests used in the diagnosis and management of various childhood medical conditions.

a2- Identify various factors associated with different diseases in infant and children from birth to adolescence.

a 3 Mention common and recent medications and treatments used for various medical problems.

a 4 Describe recent advances in prevention of pediatric diseases.

a5 Recognize the recent advances in biostatistics and clinical epidemiology related to pediatrics.

#### b- Intellectual Skills

**By the completion of this course the student should be able to**

b1- Interpret data acquired through history taking to reach a provisional diagnosis for pediatric problems.

b2- Distinguish different medical childhood illnesses based on the signs and symptoms associated with them

b 3 Assess Risk in professional practices in the field of pediatrics.

b 4 Formulate scientific papers in the area of pediatrics.

b 5 Criticize researches related to pediatrics.

**c- Professional and practical skills**

c1-

c2- The course has no practical hours

c3-

c4-

c5-

c6-

**d- General and transferable skills**

**By the completion of the course the student should be able to**

d1- Communicates effectively by different types of effective communication.

d2- use appropriate computer program packages and the internet to serve the development of professional practice

d3- Teach others and evaluate their performance.

d 4- Assess him-self and identify his personal learning needs.

d 5- Use different sources for information and knowledge.

d 6 Work coherently and successfully as a part of a team and as a team leader.

d 7 Manage Scientific meetings according to the available time.

**4- Course Contents:**

Week	Topic	No. of hours		Methods of teaching
		Lecture	Practical	

1-3	<b>Immunology</b> <ul style="list-style-type: none"> <li>• Evaluation of the immune System</li> <li>• Evaluation of Suspected Immunodeficiency</li> <li>• Immunodeficiency</li> <li>• Autoimmune disorders</li> <li>• Allergic Disorders</li> </ul>	9	-	- Lecture & discussion - Self learning - Blended learning
4	<b>Neurologic Disorders</b> <ul style="list-style-type: none"> <li>• Encephalopathies</li> </ul>	3	-	
5	<b>Genetic Disorders of Metabolism</b> <ul style="list-style-type: none"> <li>• Inborn Errors of Metabolism</li> </ul>	3	-	
6-8	<b>Cancer and Benign Tumors</b> <ul style="list-style-type: none"> <li>• Epidemiology of Childhood and Adolescent Cancer</li> <li>• Molecular and Cellular Biology of Cancer</li> <li>• Principles of Diagnosis</li> <li>• Principles of Treatment</li> <li>• The Leukemias</li> <li>• Lymphoma</li> <li>• Brain Tumors in Childhood</li> <li>• Neuroblastoma</li> <li>• Neoplasms of the Kidney</li> </ul>	9	-	
9	<b>Gastrointestinal Disorders</b> <ul style="list-style-type: none"> <li>• Gastroesophageal Reflux Disease</li> <li>• Viral Hepatitis</li> </ul>	6	-	
10-13	<b>Cardiology</b> <ul style="list-style-type: none"> <li>• Congenital heart diseases</li> </ul>	9	-	
14	<b>Respiratory disorders:</b> Chronic Severe Respiratory Insufficiency <ul style="list-style-type: none"> <li>• Neuromuscular Diseases</li> <li>• Congenital Central Hypoventilation</li> </ul>	3	-	

	Syndrome <ul style="list-style-type: none"> <li>• Long-Term Mechanical Ventilation</li> </ul>			
15-16	<b>Neonatology</b> <b>Infections of the Neonatal Infant</b> <ul style="list-style-type: none"> <li>• Pathogenesis and Epidemiology</li> <li>• Modes of Transmission and Pathogenesis</li> <li>• Immunity</li> <li>• Etiology of Fetal and Neonatal Infection</li> <li>• Epidemiology of Early- and Late-Onset Neonatal Infections</li> <li>• Clinical Manifestations of Transplacental Intrauterine Infections</li> <li>• Diagnosis</li> <li>• Treatment</li> <li>• Complications and Prognosis</li> <li>• Prevention</li> </ul>	6	-	
	Total	48	-	

### Teaching and Learning Methods

- Lectures
- Seminars
- Semester work (Self learning via research papers presentation )
- Blended & online learning

### 6- Student Assessment :

**A- Assessment Method**

Semester work

Final written

Examination

**B- Time Schedule**

Semester work	Week : during semester term
Final written Examination	Week : 17 weeks

**C- Grading system**

Written Examination % 80

Semester work % 20

**8- Facilities required for teaching and learning**

Course Coordinator: Prof.Dr. Mervat Abdallah Hesham

Head of Department Prof. Dr. Amal Mohamed Mohamed El-Dakhakhny

Date:     /     /

University: Zagazig University  
 Faculty/Institute: Faculty of Nursing  
 Department: Pediatric Nursing

Course name	Seminars in the area of speciality (specific)
Course code	474

Content Course of	Knowledge	Intellectual Skills	Professional skills	General skills	Attitude
<b>Unit (1): Immunology</b>	A4, A2, A3, A.1	B.1, B2, B3		D.4,	
<b>Unite (2): Neurologic Disorders</b>	A1, A2,A.3	B.3		D.1	
<b>Unite (3): Genetic Disorders of Metabolism</b>	A1, A2, A.3	B.2		D.1	
<b>Unite (4): Cancer and Benign Tumors</b>	A1, A2,A.3	B.1		D.4, D.5	
<b>Unite (5): Gastrointestinal Disorders</b>	A1,A.2,A3	B.2		D.5,	
<b>Unite (6): Cardiology</b>	A.2, A1, A3	B.2		, D.4, D.5,	
<b>Unite (7): Respiratory disorders:</b>	A1,A.2 , A3	B.2		D.1	
<b>Unite (8): Neonatology</b>	A1, A2,A4 A5	B.2		D.4,	

**Course Coordinator: Prof.Dr. Mervat Abdallah Hesham**



