

$\hbox{\it ``Office of the Vice-Chancellor for Global Strategies and International Affairs''}$

Program Information		
Major (Name of Program)	Upskilling and Empowering B.Sc. Nurses Working in NICU*	
Program Type ¹ (For Further Information Regarding Program Types, Please Refer to the Glossary)	Degree-Based □ Non-Degree Based (Please specify in one of the next two rows)	
Non-Degree Based Level of Study ² (For Further Information about Non- Degree Based Levels Of Study, Please Refer to the Glossary)	Fellowship □ Post-Doctorate□ Short-Term Training Program (Duration: 4 Weeks) Medical Elective (Clinical Rotation/Internships) □ Summer Program □ Other □ (Please specify)	
School/Research Center	School of Nursing and Midwifery	
Department	Department of Neonatal and Pediatric Nursing	
Brief Description of The Major/Study Program (300 to 1000 Characters)	Nurses after passing of this short course will be able to: 1) Design and implement an appropriate care program for premature, full-term and post-term neonates 2) Evaluate the physical condition of Neonates and their blood gases 3) Take care of the neonates under phototherapy 4) Provide a variety of feeding techniques appropriate for neonatal condition. 5) Explain the most common genetic, cardiac, renal, metabolic, endocrine, infection, vaccination, gastrointestinal, hematologic, immunodeficient, and neurologic congenital anomalies and disorders in neonates under their nursing care 6) Distinguish neonatal fluid and electrolyte disturbances and calculate IV fluid in neonates	
Keywords (At Least 3)	Neonatal Nursing, Critical Care, Nursing Care Plan	
Program Approach	Theoretical Practical Mixed	
Related Website/Webpage (If Any)	www.gsia.sums.ac.ir	



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Capacity (Number of International Students for Each Academic Year)	Minimum: 3 Maximum: 4
Tuition Fee	1500 USD per 4 weeks
First Admission Round	July-August 2019 (Tir-Mordad 1398)
for This Academic	or
Year (2019-2020)	July-August 2020 (Tir-Mordad 1399)
Duration of the Program	30 days: 1) 15 days for theoretical training 2) 15 days for clinical training (6 hrs./day in NICU)
Language Requirements ³	For Further information regarding English Language Proficiency, please see the Glossary.
Admission Requirements ⁴ (For Further Information Regarding Admission Requirements, Please See the Glossary)	B.Sc. degree in nursing with at least 6 months of work experience in NICU

^{*} Neonatal Intensive Care Unit



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Complete Description (Curriculum) of the Major/Study Program Topic Hour New Born Review 2 History Taking and Review of Neonatal Systems Full-Term Neonates **Premature Neonates** Post-mature Neonates Neonatal Examination Based on Ballard Maturation Score **Neonatal Blood Gases and Interpretation** How to work with mechanical ventilation in NICU Neonatal Jaundices Principles of Phototherapy in Newborn Common Genetic Disorders in Neonates 2 Treatment and Care for a Newborn with Genetic disorder 2 Congenital Heart Diseases. Treatment and Care for a Newborn with Congenial Heart DX 2 Principles of Nutrition in Premature Neonates Commencement and Continuity of feeding for Preterm Neonatal with an **Emphasis on Breast-feeding** Gastrointestinal Abnormalities and Disorders in Neonates 2 Cleft Lip & Palate Thrush Meconium Ileus Necrotizing Enterocolitis (NEC) Urinary Tract Abnormalities and Diseases in Neonates 2 Cryptorchidism **Hypospadiasis Epispadiasis** Hermaphrodism Fluid and Electrolyte Disturbances as well as Calculation of Intravenous Fluids 2 Metabolic Disorders in Neonates 2

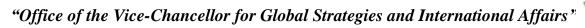
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Endocrine Diseases in Neonates	2	
- Babies of Diabetic Methods		
- Hypothyroids		
Neonatal Blood Disorders		
- Hemolytic Diseases in Newborns		
- Neonatal Hemorrhagic Disorders		
Immune Deficiency Disorders in Neonates	2	
Neonatal Infectious Diseases, Transmission, and Prevention	2	
- Bacterial Sepsis		
- Fungal Infection		
Neonatal Respiratory Diseases		
Appea and Transient Tachyanea		
- Apnea and Transient Tachypnea		
- Hyaline Membrane Disease		
- Meconium Aspiration		
- Pulmonary Hypertension and Hemorrhage		
Neonatal Neurologic Diseases		
- Intracranial Hemorrhage		
- Brain Ischemia		



Contact Info (Program Coordinator)		
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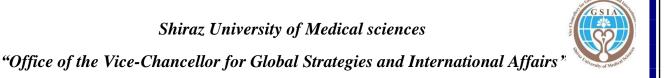
Glossary

¹Program Type

- To apply for B.Sc., M.D., Pharm.D., D.D.S., M.Sc., Ph.D., Specialty, and Sub-Specialty programs, please check our website at www.gsia.sums.ac.ir.
- The applicants should check non-degree programs at www.gsia.sums.ac.ir if they are intended to apply for SUMS Fellowship, Post-Doctorate, Short-Term Training, Medical Elective, and Summer Programs.

² Level of Study

- Bachelor of Science (B.Sc.) is a four-year undergraduate program.
- Doctor of Medicine (M.D.) is a seven-year undergraduate program on general Medicine.
- Doctor of Dental Medicine (D.M.D.) is a six-year undergraduate program on Dentistry.
- Doctor of Pharmacy (Pharm.D) is a six-year undergraduate program on Pharmacy.
- Master of Science (M.Sc.) is a two- to three-year graduate program.
- Doctor of Philosophy (Ph.D.) is a three- to five-year graduate program. Including:
 - Doctor of Philosophy Ph.D. by coursework & research includes two years of Ph.D. courses, a comprehensive exam, and then 2 to 2.5 years of Ph.D. research.
 - ✓ Ph.D. by Research includes 12 credits of Ph.D. courses and then the rest of Ph.D. program would be research oriented.
- Specialty (Residency) is a three- to five-year graduate program offered to MD/MBBS degree holders.
- Subspecialty is a two- to three-year graduate program offered to specialty degree holders.
- Fellowship is a graduate program offered to specialty or subspecialty degree holders.

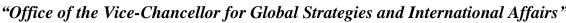


³Language Requirements

- SUMS <u>minimal</u> requirements for English language proficiency for undergraduate admission is a band score of 5.5 on IELTS, or a score of 69 on the TOEFL iBT or 525 on the TOEFL PBT. The following individuals are exempted from providing a certificate of English proficiency:
 - Applicants who are natives of English speaking countries
 - Applicants whose language of instruction in their previous degrees has been English.
- SUMS <u>minimal</u> requirements for English language proficiency for graduate admission is a band score of 5.5 on IELTS, or a score of 72 on the TOEFL iBT or 533 on the TOEFL PBT (or its equivalent in TOEFL). The following individuals are exempted from providing a certificate of English proficiency:
 - Applicants who are natives of English speaking countries
 - Applicants whose language of instruction in their previous degrees has been English.

NOTE 1: Please note that applicants from/educated in Persian Speaking countries (They shall both speak and write in Persian) who have applied for Degree-based programs may be exempted, based on the decision of the department, from submitting any certificates regarding their English Language Proficiency. Nevertheless, they are required to hand in their English Language Certificate which shall meet SUMS minimal language proficiency requirements, within one year from commencing their studies at SUMS.

NOTE 2: Language proficiency level for non-degree program applicants can be determined through online or in-person interviews at the respective department's discretion.





⁴ Admission Requirements

Degree Based Programs

Undergraduate applicants are required to provide us with Secondary School Certificate (SSC) and Higher Secondary School Certificate (HSSC), or their equals.

Graduate applicants who are applying for M.Sc. level should provide us with B.Sc. degree, SSC, and HSSC (Higher Secondary School Certificate) along with their official transcripts of records.

Graduate applicants who are applying for Ph.D. level should provide us with M.Sc. and B.Sc. degrees along with their official transcripts of records.

Graduate applicants who are applying for Specialty level should provide us with M.B.B.S./M.D. degree or its equivalent along with its official transcript of records. They should also submit their Certificate of Practice (COP)/Certificate of Internship.

Graduate applicants who are applying for Subspecialty should provide us with M.B.B.S./M.D. or its equivalent, and Specialty degree along with their official transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.

Non-Degree Based Programs

Academic Degrees and their Transcripts of Records for the applicants of Non-Degree Programs (Post-Doctorate, Fellowship, Short-Term Training, Medical Elective, and Summer Programs, etc.):

The applicants of Non-Degree Programs should submit their prior academic degree(s) along with the pertinent official transcript(s) of records.

Please note that applicants who are applying for Fellowship level should provide us with M.B.B.S./M.D. or its equivalent, and Specialty degree along with their official transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.