



AMALA COLLEGE OF NURSING

(An undertaking of Amala Cancer Hospital Society)

Amala Nagar P.O., Thrissur-680 555, Kerala, India.

Website : www.amalanursingcollege.org

FIRST CYCLE NAAC ACCREDITATION 2022

CRITERION 1

CURRICULAR ASPECTS

1.2 Academic Flexibility

1.2.2 Syllabus of Add-on Courses

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

SYLLABUS

ENVIRONMENT AND SUSTAINABILITY



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PREFACE

Amala Institute of Medical Sciences, named after Mary Immaculate, is a Minority Christian Institution, which is open to all irrespective of religion, caste or creed. It aims at giving effective training to the youth to become nursing professionals devoted to the healing ministry, especially in the rural areas. It also strives to strengthen the quality of service offered in the large number of medical institutions run by the community. AIMS is a Unit of Amala Cancer Hospital Society managed by the Devamatha Province of the Carmelites of Mary Immaculate (CMI), founded by St. Kuriakose Elias Chavara, a sage-cum-savant. Amala, at present, offers an MBBS, Medical PG courses, Ph.D. Nursing, M.Sc. Nursing and B.Sc. Nursing courses and is affiliated to the Kerala University of Health Sciences. Students are admitted to this institute as per the admission procedure stipulated by the concerned authorities and in the tenor of the admission policy of the management.

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Theory : 28 hours

Practical : 8 hours

Title: Environment and Sustainability

COURSE DESCRIPTION:

Every organism is surrounded by materials and forces that constitute its environment from where it derives its requirements. The degradation of environment has become a serious problem for the existence of human beings. Even though various environmental protection activities have been initiated by the governmental and non governmental agencies public participation is equally important.

This course is designed to sensitize the nursing students to environmental issues and impart knowledge, values, skills and tools needed to tackle environmental challenges.

AIMS AND OBJECTIVES:

AIMS

The aim of environmental education is to create an awareness and sensitivity to environmental issues and commitment to work individually or collectively towards environmental protection.

OBJECTIVES:

On the completion of this course students will be able to:

1. Identify the environmental issues and need for generating public awareness.
2. Imbibe and inculcate the necessity for conservation of natural resources.
3. Identify the role of public in prevention of environmental pollution.
4. Recognize current social issues and motivate public to participate in environmental protection

COURSE OUTLINE:

Sl. No.	Time allotted	Learning Objective	Content	Teaching learning activity	Assessment
1	2 hrs	Identify the environmental issues and need for generating public awareness	Environmental education <ul style="list-style-type: none"> ○ Definition, need and scope ○ Need for public awareness 	Lecture cum discussion	Short answer type questions
2	10 hrs	Imbibe and inculcate the necessity for conservation of natural resources	Natural resources and associated problems <ul style="list-style-type: none"> ○ Forest : Use and over exploitation, deforestation, mining, dam and their effect on forest ○ Water: Use and over utilization of ground and surface water, flood, drought, conflict over water ○ Minerals: Use and exploitation, environmental effects on extraction and using mineral resources ○ Food: World food problems and effects of modern agriculture, fertilizer and 	Lecture cum discussion	Short answer type questions

			<p>pesticide use.</p> <ul style="list-style-type: none"> ○ Energy : Growing needs, renewable and non-renewable sources, alternative sources. ○ Land: land degradation, man induced slides, soil erosion, desertification ○ Role of individuals in conservation of natural resources 		
3	6 hrs	Identify the role of public in prevention of environmental pollution	<p>Environmental pollution: Causes, effects, control measures</p> <ul style="list-style-type: none"> ○ Air ○ Water ○ Soil ○ Noise ○ Marine ○ Thermal ○ Nuclear hazards <p>Solid waste management and role of an individual in prevention of pollution.</p>	Lecture cum discussion	Short answer type questions
4	10 hrs	Recognize current social	Social issues and environment	Lecture cum discussion	Short answer type questions

		<p>issues and motivate public to participate in environmental protection</p>	<ul style="list-style-type: none"> ○ Water conservation, rain water harvesting, water shed management ○ Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents ○ Environmental protection act ○ Air pollution, prevention and control act. ○ Water prevention and control of pollution act ○ Wild life protection act ○ Forest conservation act ○ Need for enhancing public awareness 		
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Methods of Teaching:

The core module for environmental education includes classroom teaching, discussion and field visit. Field visits are employed as a teaching learning activity as it is the most effective learning tool for environmental concerns. Field visits will be arranged to a local area to document various environmental assets – river/ forest/ grass land / hill/ mountain and to a water purification plant. Students are required to submit an observation report following the visit.

Method of evaluation:

Evaluation will be conducted at the completion of the course using a structured questionnaire containing 50 objective type questions carrying 50 marks.

Credentialing:

Students who successfully complete the course will be awarded with one credit hour.

REFERENCES:

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd.,
Ahmedabad – 380 013, India, Email:mapin@icenet.net (R)
3. Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev.
4. Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p

AMALA COLLEGE OF NURSING

VISION

To establish a Center of Excellence providing value-added education that combines effective teaching, focused academic exposure, and productive research with the aim of training healthcare personnel with professionalism and spirit of love and service as their hallmarks.

MISSION

We constantly seek to recruit brilliant staff and provide state-of-the-art infrastructure in an Eco-friendly ambience with a view to challenging the students to become forward-looking dedicated graduate nurses imbued with compassionate love towards all, especially the poor and the marginalized.



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