

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Diversity and Inclusion, Human Values, Environment and Sustainability into the Curriculum

Response:

A.M.Reddy Memorial College of Pharmacy believes in promoting a value added educational. Courses related to Professional Ethics, Human Values, Environment and Sustainability are incorporated in to the curriculum.

Social Values & Ethics and Universal Human Values:

“Moral authority comes from following universal and timeless principles like honesty, integrity and treating people with respect.” – says Stephen Covey.

The main objective of any pharmacy education is to produce successful and moral professionals who can address the social issues with innovative and better solutions. Imparting practical knowledge alone doesn't ensure holistic personality. Hence, considering the importance of Social Values & Ethics and Universal Human Values, ANU, Guntur offers Social Values & Ethics and Universal Human Values course in the curriculum. As per the recent guidelines of AICTE, Universal Human Values (UHV) is offered as a part of the Student Induction Programme (SIP).

AMRMCP is offering these courses in all programs.

1. Social Values & Ethics and Universal Human Values include personal and corporate standards of behavior expected by professionals.
2. The course focuses on making proper judgments, applying their skills and taking correct decisions in any situations in their professional and personal lives.
3. In order to meet the demands of the community, the course positively affects the students thought.
4. UHV has been introduced to build a strong connect between students and the faculty to create holistic awareness about Universal Human Values. It is also meant to motivate unconstrained energy of the youth into value energy through various extra-curricular activities.

Diversity and Inclusion:

Diversity identifies how diversity relates to their core institutional mission and the unique circumstances of the institution. For example, mission statements and strategic plans that promote student body diversity and inclusion on campus establish priority among students. Campus leadership, including a diverse faculty, plays an important role in achieving inclusive institutions. For example, faculty members curricular decisions and pedagogy, including their individual interactions with students, can foster inclusive climates. Also, students report that it is important for them to see

themselves reflected in the faculty and curriculum to which they are exposed to create a sense of belonging and inclusiveness. Women Grievance Cell is established in AMRMCP with an objective of empowering the girls to handle challenges confidently.


Environment and sustainability:

The Environmental Science course provides various aspects of sustainability and environmental studies. Environment science plays an important role in healthy living of human beings. Through this course, the students learn about

1. The importance of natural resources and proper utilization along with conservation.
2. Rural and urban environmental issues and assessment.
3. Various attributes of pollution and its control.
4. Self-sustaining green campus with regard to energy, water and waste management, plantation and rain water harvesting.

The institute encourages the students to participate in programs like Swachh Bharat, Tree Plantation, and World Environment Day etc. for better involvement.




Dr. P. Bharghava Bhushan Reddy
M.Pharm., Ph.D.
PRINCIPAL
A.M. REDDY MEMORIAL
COLLEGE OF PHARMACY

BP 206 T. ENVIRONMENTAL SCIENCES (Theory)

30 hours

Scope:Environmental Sciences is the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment but also the social and cultural factors and the impact of man on environment.

Objectives: Upon completion of the course the student shall be able to:

1. Create the awareness about environmental problems among learners.
2. Impart basic knowledge about the environment and its allied problems.
3. Develop an attitude of concern for the environment.
4. Motivate learner to participate in environment protection and environment improvement.
5. Acquire skills to help the concerned individuals in identifying and solving environmental problems.
6. Strive to attain harmony with Nature.

Course content:

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| Unit-I | 10hours |
| The Multidisciplinary nature of environmental studies | |
| Natural Resources | |
| Renewable and non-renewable resources: | |
| Natural resources and associated problems | |
| a) Forest resources; b) Water resources; c) Mineral resources; d) Food resources; e) Energy resources; f) Land resources: Role of an individual in conservation of natural resources. | |
| Unit-II | 10hours |
| Ecosystems | |
| ▪ Concept of an ecosystem. | |
| ▪ Structure and function of an ecosystem. | |
| ▪ Introduction, types, characteristic features, structure and function of the ecosystems: Forest ecosystem; Grassland ecosystem; Desert ecosystem; Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) | |
| Unit- III | 10hours |
| Environmental Pollution: Air pollution; Water pollution; Soil pollution | |

Recommended Books (Latest edition):

1. Y.K. Sing, Environmental Science, New Age International Pvt, Publishers, Bangalore
2. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
3. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380 013, India,
4. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
5. Clark R.S., Marine Pollution, Clarendon Press Oxford
6. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p
7. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
8. Down of Earth, Centre for Science and Environment

