

CONTRIBUTION OF MUSLIMS SCIENTISTS (THEORY)

Pre-requisite: None.

Credit Hours 02

Contact Hours 32

RECOMMENDED BOOKS

- Contribution of Muslim Scientists by Mehmet Bayradar

REFERENCE BOOKS

- Quran bible and science by Maurice Bucaille
- Muslim Science by Syed Qasim Mehmood
- Kitabu Urooj by Rashid Shaz.
- Islam & Science by Dr. Zakir Nike.
- Islam & Science by Dr. Tahirul Qadri.

OBJECTIVE OF COURSE

The objective of this course is to teach the ethical issues of interest to the professional community to produce good and responsible engineers and also good and responsible citizens inheriting the legacy of the eminent Muslim Scientists, to introduce the students with eminent Muslim scientists.

S.NO	CLO/PLOS MAPPING	DOMAIN	PLO
01	Apply the knowledge of Science & Islam to aware the students about science & Muslim scientists.	C3	08
02	Interpret Islamic Ethical Standards in the students in light of the lives of the eminent Muslim scholars.	C6	06

COURSE CONTENTS

Introduction to Science:

- Definition and Scope of Science,
- Scientific Method,
- Philosophy and Science,
- Evolution of Philosophy and Science

History of Science:

- Science in different Eras,
- Pre-philosophical ages,
- Philosophical era,
- medieval science,

- Golden Era of Muslim Scientists,
- Renaissance and early modern science

Religions and Philosophy:

- Religion and Science,
- Christianity and Science,
- Christian's attitude towards Philosophy and science,
- Clash of Greek Philosophers and Christians leaders

Development of Science during early Muslim Era:

- Science in Umayyad's and Abbasid's Era,
- A brief summary of the services of Muslim caliphs

Introduction of Eminent Muslim Scholars and Scientists

- Ibne-Khaldoon,
- Al-Khuwarzmi,
- Jabar-bin-Hayan,
- Imam Al-Razi.
- Abul Qasim Al Zahrawi
- Abbas ibn farnaas
- Sabit ibn ulQurrah
- Ibn e Bajah
- Ibn e Rushd
- Youqoob bin IShaq Al Kindi
- Naseer Uddin Toosi
- Abu Al Nasar ALfarabi
- Ibn e Sina
- Abu Rehan AL Bairooni
- Ibne Al Haythem (Al- Hazen)
- Ikhwanul Safa
- Umer Khayam

Controversial Ethical issues faced by the professional community:

- Topics including moral reasoning,
- Moral dilemmas,
- Law and morality,
- Equity,
- Justice and fairness,
- Ethical standards,
- Moral development as practiced by the Muslim Scientists.