**BBE1101 Biomedical Engineering Profession**

**FOM 1111 Introduction to Health Professionals Education and Ethics**

Course description

Course Objectives

**Ethics**

1. To discuss the principles of biomedical ethics

2. To discuss professionalism in medical practice

3. To discuss the Engineer-patient relationship

4. To discuss issues involved in the informed consent process

5. To discuss confidentiality in medical practice.

**Health Professional Etiquette**

1. To discuss the etiquette of health care professions

2. To explain appropriate behavior.

3. To explain appropriate hospitality skills

4. To explain the essential elements of communication.

5. To discuss competitiveness of the medical industry.

**Rights and Responsibilities of a Patient and Provider**

1. To discuss consumer rights

2. To describe the skills of soliciting information from the patient

3. To discuss the acceptable attitude in clientele handling

4. To describe ethical considerations in patient’s management

5. To describe human rights, health rights, patient rights, rights of a provider and the responsibilities of a provider/patient.

Content outline

**Ethics**

Principles of biomedical ethics

 Autonomy, Informed consent, Right of privacy, Right to basic minimum of health care, Confidentiality

 Beneficence - Aims at benefiting others (patients)

 Non-malificiency- do no harm

 Justice- equity and fair distribution of risks, benefits and inadequate health care resources. Professionalism

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 Definition of a profession

 Roles of a professional

 Duties of a professional

 Professional relationship with colleagues and others

Engineer -patient relationship

 Communication

 Medical records

 Duties

**Health Professional Education** Different learning methods Principles of PBL

 SDL

 Skills labs

 The Tutorial process

 Role of lectures

 Role of the tutor

 Role of the student

 Methods of assessment

Literature searches

 Books

 Journals

 Online databases

 Electronic resources

 Resource persons

Computer fundamentals

 Introduction to computers

 Description of computer parts

 Basic typing skills

File management

 Search features

 Backup User policy Online resources

 Email

 Internet

 www

Basic communication skills

-Verbal communication skills

 Listening

 Comprehending

- Non-verbal communication

 Posture, body movements & expressions

 Eye contact

 Attitude

**Health Professional Etiquette**

 Rules of formal relations

 Rules for polite behavior among patients. Comparison of health care industry with service standards of other industries like banks, hotels, airlines and others.

 Medical office protocol: privacy, dress code

 Proper handling of the phone conservation & utilization dialogue

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 Pleasant front desk experience, manners

 Handling patient complaints

 Essential elements of communication: 7 steps

- **Open the discussion**

Introduction, Patient opening, Agenda setting (Procedure to follow)

- **Build a relationship /Rapport**

Listening, Empathy and attitude, Nonverbal behavior

- **Gather information**

History – The patient’s story , Questions – Establishing facts, Organization and transitions, Physical examination, Personal privacy/confidentiality issues

- **Understand the patient’s perspective**

Patient concerns, Patient beliefs and preferences & expectations, Patient’s expression of feelings, Specific circumstances & influences

- **Share information**

Vocabulary/language, Patient understanding of illness, Clinician explanation, Information quality and format

- **Reach agreement/Contract**

Treatment planning – methods, drugs, outcome (expected) side effects, drawbacks , Treatment plan implementation (roles & responsibilities)

- **Provide closure**

Conclusion (ending a meeting or termination of a therapeutic relationship)

**Rights and Responsibilities of a Patient and Provider**

Consumer Rights

 Individual patient respect

 Equity in treatment

 Optimum treatment (best under circumstances)

 The right to adequate information

 Treatment options (self determination)

 Privacy

 Participation and representation

 Redness/grievances

 The right to die in dignity

 Receive or decline spiritual and moral comfort

History taking

 Courtesy

 Dress code, presentation

 Use of simple language

 Effective communication skills

Acceptable Attitude: Tone, distance expressions

Respect, Empathy, Non-discrimination, Non-judgmental, avoid counter transference, Avoid personal emotions in decision-making – do not make it personal

Introduction to principles of Bio-ethics

Professionalism

Doctor-patient relationship Informed consent Confidentiality

Methods of delivery

Modes of Assessment

Requirements:

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| --- | --- | --- | --- | --- |
| Hours per Semester | Weighted | Weighted | Weighted | Credit |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | Total  Mark | Exam Mark | Continuous  Assessment  Mark | Units |
| LH | PH | TH | CH | WTM | WEM | WCM | CU |
| 45 | 00 | 00 | 45 | 100 | 60 | 40 | 3 |