**Course Description Form**

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| 1. Course Name: Behavioral Sciences
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| 1. Course Code: MEDBsc-42
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| 1. Semester / Year: 2nd semester/ 4th year
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| 1. Description Preparation Date: 23/3/2024
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| 1. Available Attendance Forms: Physical (mandatory ) and Virtual( complementary)
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| 1. Number of Credit Hours (Total) / Number of Units (Total)
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| 1 credit/ hour: 15 hours in total |
| 1. Course administrator's name (mention all, if more than one name)
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|  Name: Assistant professor Dr Uday Khalid  Senior lecturer Dr Zeena Nabeel Email: udaykhalid@nahrainuniv.edu.iq zenaalhassry@nahrainuniv.edu.iq  |
| 1. Course Objectives Knowledge
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| **Course Objectives**  |

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| 1– Evaluate the significance of behavioral sciences within all other medical specialties 2 – Define behavioral sciences 3 – Recognize determinants of behavior 4 – Explain theory of motivation 5 – Explain psychological development theories 6- Define stress ,defense and coping 7 – Describe higher mental functions 8 – Recognize individual variations of personality and intelligence 9- Expect behavioral reaction to illness 10- evaluate importance communication skills and breaking bad news11- apply behavioral principles to doctor patient relationship 12- evaluate role of behavioral concepts in diagnosis and management and compliance with treatment plan  |
| **Skills**  |
| 1. scope extensions of behavioral sciences into general medicine

 1. compare different psychological development theories
2. apply concepts of mental functions to clinical work
3. apply individual variations to doctor patient relationship
4. acquire skills of breaking bad news
5. follow progress of reactions to illness
6. demonstrate capacities for communication skills
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| **Ethics**  |
| 1-Recognize the value of behavioral sciences in clinical medicine and the effect of acquired skills on cost effectiveness of treatment plan and compliance 2- acquire standard ethical behavior3 – to exemplify proper communication skills 4 – to communicate effectively with the patients, their families and all health care personnel5-to be able to work in a team |

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| 1. Teaching and Learning Strategies
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| **Strategy** | Interactive lectures  |
| 1. Course Structure

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| Assessment Method | Teaching Method | Unit/Module or Topic Title | ILOs | Hours | Week |
| Written exam |  Lecture | Introduction  | Define behavioral sciences , 1. Recognize significance of behavior sciences for doctor ,
2. Recognize fields involved,

Describe determinants of behavior | 1 | 1 |
| Written exam |  Lecture  | Biological Determinants of behavior  | 1. Describe Genetic , Anatomic , biochemical determinants of behavior
2. Describe of limbic structures ,neurotransmitters and their role in behavior,
3. Classify main genetic studies ,types of inheritance and

Define basic genetic concepts like imprinting ,gene expression, gene anticipation  | 1 | 2 |
| Written exam | Lecture | Motivation  | 1. Define motivation and instincts ,motive ,drive and desire.
2. Describe ethology and instinct. innate releasing mechanisms. behavior of animal in conflict situation,
3. recognize relationship between instincts man and culture.
4. Explain emotions in relation to motivation and psychoanalytic theory of neurosis
 | 1 | 3 |
| Written exam | Lecture | Psychological development I | 1. Describe Psychological development as determinant of behavior
2. Describe Psychoanalytic theory of mind. Historical brief,
3. Recognize topography of mind ( conscious mind, unconscious mind and subconscious)
4. Recognize structure of personality(ID,EGO AND SUPEREGO),
5. Describe stages of development according to psychoanalytic theory

  | 1 | 4 |
| Written exam | Lecture | **Defense mechanisms and Stress**  | 1. **Define mental defense mechanisms**
2. **Explain mental defense as stress coping technique and personality development frame ,**
3. **Describe psychotherapy , free association and hypnosis ,**

**Recognize revisions of dynamic theory**  | 1 | 5 |
| Written exam | Lecture | Psychological development II | 1. Describe : learning theory of development of mind.
2. Define Classical and operant conditioning and social conditioning.
3. Explain role of deconditioning in behavior therapy
 | 1 | 6 |
| Written exam | Lecture | Psychological development IIIPsychological development III | 1. Describe cognitive theory of development of mind,
2. Explain cognitive stages, concrete and abstract thinking , important cognitive concepts like object permanence ,object conservation and play activity of childhood .

 Recognize cognitive schemas as frame for personality  | 1 | 7 |
| Written exam | Lecture | Psychological development IV | 1. Describe Erickson psychosocial stages of development .
2. Recognize humanistic approach to development namely Maslow and Carl Rogers theories

Explain moral development | 1 | 8 |
| Written exam | Lecture | Higher mental functions I  | 1. Define perception
2. Explain perception through the deferent senses, how mechanical or electromagnetic or chemical energy for example translated to neurologically based percepts.
3. Describe factors affecting perception

Recognize abnormal perception  | 1 | 9 |
| Written exam | Lecture | Higher mental functions II Physiological consciousness and memory  | 1. Define and describe physiological consciousness
2. Classify memory

Describe memory types and mechanisms | 1 | 10 |
|  |  | Higher mental functions III thinking learning and intelligence  | 1. Define characteristic of thinking: symbols ,concepts ,abstract thinking and problem solving
2. Define learning
3. Define Intelligence:
4. Describe intelligence quotient IQ, measurement of intelligence, intelligence scales ,
5. Describe mental retardation and learning disability
 | 1 | 11 |
| Written exam | Lecture | Personality | 1. Define personality ,
2. Describe clinical vs. dimensional approach to personality,
3. Recognize measures of personality , personality inventories
 | 1 | 12 |
| Written exam | Lecture | Social determinants of behavior,  | 1. Recognize small and large group effects on behavior
2. **Define key social behavioral concepts like sick role and illness behavior**
 | 1 | 13 |
| Written exam | Lecture | **Behavior while ill ..** | 1. **Describe reaction to illness and behavioral changes upon disease**

**Explain behaviors during illness**  | 1 | 14 |
| Written exam | Lecture | Doctor patient relationship.  | 1. Apply behavioral sciences concepts on doctor patient relationship,
2. Recognize models of doctor patient interaction
3. Explain behavior of the difficult patient,
4. Recognize transference and counter transference
5. Recognize role of personality of patient in doctor patient relationship
 | 1 | 15 |

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| Course Evaluation 1. The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
2. The marks are distributed as follows:
3. Midterm Exam (30%) as single best answer questions
4. Final Exam (70%) as – Single Best Answer 50 items
5. - Short answer questions 20 items
6. Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.
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| 1. Learning and Teaching Resources
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| Required textbooks (curricular books, if any) |  USMLE Step 1 Behavioral sciences  |
| Main references (sources) |  National Board Series  |
| Recommended books and references (scientific journals, reports...) |  Hilgard`s Psychology  |
| Electronic References, Websites |   |