**Course Description**

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| **Course Title** | | | | Food & Drug Interaction | **Course Code** | **BND355** |
| **Program** | | | | Therapeutic Nutrition and Dietetic | **Level** | 3rd level |
| **Credit Hours** | | | | 2 | **Pre-requisites** | **BND234** |
| **Course Description:** | | | | | | |
| This course aimed to prepare students for understanding the basic concepts of general pharmacology and food-drugs interactions, effects of nutritional, herbal & dietary supplements intake with drugs categories as well as their adverse effects. The teaching will include lecture, collaborative learning, self-learning discussion and assignment. The students will be evaluated through report, written exam and Assignment evaluation. Principles of human nutrition is a prerequisite course. | | | | | | |
| **Topics Covered:** | | | | | | |
|  | | Introduction and Basic concept | | | | |
|  | | Food and Drug Interactions | | | | |
|  | | Monitoring Nutritional Status in Drug Regimen | | | | |
|  | | Effects of Food Intake with Drugs Category | | | | |
|  | | Drug Interactions with Nutrition Support | | | | |
|  | | Mid-term Exam | | | | |
|  | | Drug Interactions with Herbal & Dietary Supplement | | | | |
|  | | Obesity and Appetite Drugs | | | | |
|  | | Drugs and the Life Cycle | | | | |
|  | | Anti-microbial agents | | | | |
|  | | Final exam | | | | |
| **Course Learning Outcomes:** | | | | | | |
| After completing this course, students would be able to: | | | | | | |
|  | Define the different terms in pharmacology and food drug interactions, and classify the different types of drug categories that may cause interactions with food. | | | | | |
|  | Select the appropriate meals to avoid interactions for patients who use different categories of drugs. | | | | | |
|  | Describe the adverse effects of drug categories intake with meals for the patients. | | | | | |
|  | Design the proper nutritional program for patients with different drugs use to prevent food drug interactions. | | | | | |
|  | Manage the suitable monitoring of nutritional status in drug regimen. | | | | | |
|  | Interpret the rationale for choosing the suitable food intake with drugs categories and their adverse effects in individual or group patients. | | | | | |
|  | Schedule the suitable drugs during pregnancy and lactation, and the appropriate drug to decrease appetite and obesity. | | | | | |
|  | Cooperate effectively while working with other health care professionals in hospitals, clinics, or health centers. | | | | | |
| **Textbooks:** | | | | | | |
| 1 | L. Kathreen Mohan, (2012), Krause's Food and the Nutrition Care Process, 13th edition, Elsevier. | | | | | |
| 2 | Katzung B. G., Masters S. M. J., and Trevor (2015), Basic and Clinical Pharmacology, 13th edition, McGraw Hill, India. | | | | | |
| **Course Assessment:** | | | | | | |
| **No.** | | | **Assessment Tasks** | | **Mark** | |
|  | | | **Assignment and Presentation** | | 5 | |
|  | | | **Reports** | | 5 | |
|  | | | **Midterm Exam** | | 30 | |
|  | | | **Final Exam** | | 60 | |
| **Total** | | | | | **100** | |