**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** |