



## **Nutrition and clinical Nutrition department**



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# **NUTRITION AND CLINICAL NUTRITION RESRCHES**

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Frist and second semesters - Pharmacology



**APRIL 26, 2020**

**NUTRITION AND CLINICAL NUTRITION**  
Prof.Dr. Nasser Khedr

## **Frist semester**

|           |                                                    |
|-----------|----------------------------------------------------|
|           | <b>Crude protein</b>                               |
| <b>1</b>  | <b>Amino acids</b>                                 |
| <b>2</b>  | <b>Biological function of protein</b>              |
| <b>3</b>  | <b>Protein sources</b>                             |
|           | <b>Lipid</b>                                       |
| <b>4</b>  | <b>Essential fatty acids</b>                       |
| <b>5</b>  | <b>Body fat</b>                                    |
| <b>6</b>  | <b>Oil rancidity</b>                               |
|           | <b>Fat soluble vitamins</b>                        |
| <b>7</b>  | <b>Fat soluble vitamins</b>                        |
| <b>8</b>  | <b>Vitamin A</b>                                   |
| <b>9</b>  | <b>Vitamin E</b>                                   |
| <b>10</b> | <b>Vitamin D</b>                                   |
|           | <b>Carbohydrates</b>                               |
| <b>11</b> | <b>Carbohydrates functions</b>                     |
| <b>12</b> | <b>Crude fiber</b>                                 |
| <b>13</b> | <b>Nutritional classification of carbohydrates</b> |
| <b>14</b> | <b>Simple sugars</b>                               |
| <b>20</b> | <b>Deficiency of carbohydrates</b>                 |

## Second semester

|           |                                                                  |
|-----------|------------------------------------------------------------------|
|           | <b>Poultry</b>                                                   |
| <b>1</b>  | <b>Energy supplement for broiler</b>                             |
| <b>2</b>  | <b>Protein supplement for broiler</b>                            |
| <b>3</b>  | <b>Mineral supplement for broiler</b>                            |
| <b>4</b>  | <b>Amino acids for poultry</b>                                   |
| <b>5</b>  | <b>Pellet quality for broiler</b>                                |
| <b>6</b>  | <b>Dietary electrolyte balance for poultry</b>                   |
| <b>7</b>  | <b>Gut health for broiler</b>                                    |
| <b>8</b>  | <b>Premix</b>                                                    |
| <b>9</b>  | <b>Broiler breeds</b>                                            |
| <b>10</b> | <b>Feed additives for broiler</b>                                |
| <b>11</b> | <b>Nutrient requirements for broiler</b>                         |
| <b>12</b> | <b>Trace minerals for poultry</b>                                |
| <b>13</b> | <b>Amino acid profile for poultry</b>                            |
|           | <b>Fish</b>                                                      |
| <b>14</b> | <b>Nutrient requirements for fish</b>                            |
| <b>15</b> | <b>Mineral and vitamin for fish</b>                              |
| <b>16</b> | <b>Protein and amino acids for fish</b>                          |
| <b>17</b> | <b>Lipids for fish</b>                                           |
| <b>18</b> | <b>Carbohydrates for fish</b>                                    |
| <b>19</b> | <b>Points should be considered in formulation diets for fish</b> |
|           | <b>Rabbits</b>                                                   |
| <b>20</b> | <b>Nutrient needs of Rabbits</b>                                 |
| <b>21</b> | <b>Nutritional microbiology of rabbit</b>                        |
| <b>22</b> | <b>Cecotropes and coprophagy</b>                                 |
| <b>23</b> | <b>Feed additives for rabbits</b>                                |
| <b>24</b> | <b>Nutrition and health problems for rabbits</b>                 |