

## Curriculum for the Department of Nutrition and Dietetics (Bologna Process)

### FIRST YEAR

#### 1<sup>st</sup> Semester

| No.          | Code     | Module Title                    | CL<br>(hr/w) | L<br>(hr/w) | P<br>(hr/w) | Clin.<br>(hr/w) | T<br>(hr/w) | ECTS         | Units     | Type |
|--------------|----------|---------------------------------|--------------|-------------|-------------|-----------------|-------------|--------------|-----------|------|
| 1            | CUE52001 | Introduction to Human Nutrition | 3            | -           | -           | -               | -           | 5.00         | 3         | C    |
| 2            | CUE52002 | Introduction to Food Science    | 3            | -           | -           | -               | -           | 5.00         | 3         | S    |
| 3            | CUE33001 | Human Biology                   | 2            | 3           | -           | -               | -           | 5.00         | 3         | S    |
| 4            | CUE61001 | General English                 | 2            | -           | 6           | -               | -           | 5.00         | 5         | B    |
| 5            | CUE66001 | Kurdistan Studies               | 3            | -           | -           | -               | -           | 5.00         | 3         | B    |
|              | CUE66002 | Kurdish Language                |              |             |             |                 |             |              |           |      |
| 6            | CUE31001 | Computer Skills                 | -            | 4           | -           | -               | -           | 5.00         | 2         | B    |
| <b>TOTAL</b> |          |                                 | <b>13</b>    | <b>7</b>    | <b>6</b>    | <b>0</b>        | <b>0</b>    | <b>30.00</b> | <b>19</b> |      |

#### 2<sup>nd</sup> Semester

| No.          | Code     | Module Title              | CL<br>(hr/w) | L<br>(hr/w) | P<br>(hr/w) | Clin.<br>(hr/w) | T<br>(hr/w) | ECTS         | Units     | Type |
|--------------|----------|---------------------------|--------------|-------------|-------------|-----------------|-------------|--------------|-----------|------|
| 1            | CUE52011 | Introduction to Dietetics | 3            | -           | -           | -               | -           | 4.00         | 3         | C    |
| 2            | CUE54001 | General Chemistry         | 2            | 3           | -           | -               | -           | 5.00         | 3         | S    |
| 3            | CUE51012 | Human Anatomy             | 2            | 3           | -           | -               | -           | 4.00         | 3         | S    |
| 4            | CUE52012 | Medical Terminology       | 2            | -           | -           | -               | -           | 2.00         | 2         | S    |
| 5            | CUE61002 | Academic English          | 2            | -           | 6           | -               | -           | 5.00         | 5         | B    |
| 6            | CUE82001 | Academic Debate           | 3            | -           | -           | -               | -           | 5.00         | 3         | B    |
| 7            | CUE31002 | Academic Computing        | -            | 4           | -           | -               | -           | 5.00         | 2         | B    |
| <b>TOTAL</b> |          |                           | <b>14</b>    | <b>10</b>   | <b>6</b>    | <b>0</b>        | <b>0</b>    | <b>30.00</b> | <b>21</b> |      |

**SECOND YEAR**

**3<sup>rd</sup> Semester**

| No.          | Code     | Module Title                        | CL (hr/w) | L (hr/w) | P (hr/w) | Clin. (hr/w) | T (hr/w) | ECTS         | Units     | Type |
|--------------|----------|-------------------------------------|-----------|----------|----------|--------------|----------|--------------|-----------|------|
| 1            | CUE52021 | Nutritional Value of Processed Food | 2         | 3        | -        | -            | -        | 5.00         | 3         | C    |
| 2            | CUE54031 | Biochemistry                        | 2         | 3        | -        | -            | -        | 5.00         | 3         | C    |
| 3            | CUE52022 | Nutrition in Health and Disease     | 3         | -        | -        | -            | -        | 5.00         | 3         | C    |
| 4            | CUE52023 | Nutrition and Metabolism            | 3         | -        | -        | -            | -        | 5.00         | 3         | C    |
| 5            | CUE52024 | Maternal and Child Nutrition        | 2         | -        | -        | -            | -        | 4.00         | 2         | C    |
| 6            | CUE51033 | Human Physiology                    | 2         | 3        | -        | -            | -        | 4.00         | 3         | S    |
| 7            | CUE52025 | Communication Skills                | 2         | -        | -        | -            | -        | 2.00         | 2         | S    |
| <b>TOTAL</b> |          |                                     | <b>16</b> | <b>9</b> |          |              |          | <b>30.00</b> | <b>19</b> |      |

**4<sup>th</sup> Semester**

| No.          | Code     | Module Title                          | CL (hr/w) | L (hr/w) | P (hr/w) | Clin. (hr/w) | T (hr/w) | ECTS         | Units     | Type |
|--------------|----------|---------------------------------------|-----------|----------|----------|--------------|----------|--------------|-----------|------|
| 1            | CUE52031 | Functional Foods                      | 2         | 3        | -        | -            | -        | 5.00         | 3         | C    |
| 2            | CUE52032 | Nutritional Biochemistry              | 2         | 3        | -        | -            | -        | 5.00         | 3         | C    |
| 3            | CUE52033 | Community Nutrition                   | 3         | -        | -        | -            | -        | 5.00         | 3         | C    |
| 4            | CUE52034 | Sport and Exercise Nutrition          | 3         | -        | -        | -            | -        | 4.00         | 3         | C    |
| 5            | CUE52035 | Nutrition for Adolescent and Elderly  | 2         | -        | -        | -            | -        | 4.00         | 2         | C    |
| 6            | CUE52036 | Food Microbiology                     | 2         | 3        | -        | -            | -        | 4.00         | 3         | S    |
| 7            | CUE52037 | Psychology and Sociology of Nutrition | 2         | -        | -        | -            | -        | 3.00         | 2         | S    |
| <b>TOTAL</b> |          |                                       | <b>16</b> | <b>9</b> |          |              |          | <b>30.00</b> | <b>19</b> |      |

**THIRD YEAR**

**5<sup>th</sup> Semester**

| No.          | Code     | Module Title                    | CL<br>(hr/w) | L<br>(hr/w) | P<br>(hr/w) | Clin.<br>(hr/w) | T<br>(hr/w) | ECTS         | Units     | Type |
|--------------|----------|---------------------------------|--------------|-------------|-------------|-----------------|-------------|--------------|-----------|------|
| 1            | CUE52041 | Nutrigenetics and Nutrigenomics | 2            | 3           | -           | -               | -           | 5.00         | 3         | C    |
| 2            | CUE52042 | Food Chemistry and Analysis     | 2            | 3           | -           | -               | -           | 5.00         | 3         | C    |
| 3            | CUE52043 | Food Safety and Hygiene         | 2            | 3           | -           | -               | -           | 4.00         | 3         | C    |
| 4            | CUE52044 | Nutritional Epidemiology        | 3            | -           | -           | -               | -           | 4.00         | 3         | C    |
| 5            | CUE52045 | Nutrition and Immunity          | 3            | -           | -           | -               | -           | 4.00         | 3         | C    |
| 6            | CUE52046 | Sensory Evaluation of Food      | 2            | 3           | -           | -               | -           | 4.00         | 3         | S    |
| 7            | CUE32047 | Biostatistics                   | 3            | -           | -           | -               | -           | 4.00         | 3         | S    |
| <b>TOTAL</b> |          |                                 | <b>17</b>    | <b>12</b>   | <b>0</b>    | <b>0</b>        | <b>0</b>    | <b>30.00</b> | <b>21</b> |      |

**6<sup>th</sup> Semester**

| No.          | Code     | Module Title                       | CL<br>(hr/w) | L<br>(hr/w) | P<br>(hr/w) | Clin.<br>(hr/w) | T<br>(hr/w) | ECTS         | Units     | Type |
|--------------|----------|------------------------------------|--------------|-------------|-------------|-----------------|-------------|--------------|-----------|------|
| 1            | CUE52051 | Meal and Diet Planning             | 2            | -           | 3           | -               | -           | 5.00         | 3         | C    |
| 2            | CUE52052 | Food Standards and Quality Control | 2            | 3           | -           | -               | -           | 4.00         | 3         | C    |
| 3            | CUE52053 | Food and Nutritional Toxicology    | 2            | -           | 3           | -               | -           | 4.00         | 3         | C    |
| 4            | CUE52054 | Nutrition Counseling and Education | 3            | -           | -           | -               | -           | 4.00         | 3         | C    |
| 5            | CUE52055 | Herbs and Alternative Medicine     | 3            | -           | -           | -               | -           | 4.00         | 3         | C    |
| 6            | CUE53062 | Pathophysiology of Human Diseases  | 2            | 3           | -           | -               | -           | 5.00         | 3         | S    |
| 7            | CUE52056 | Research Methods and Ethics        | 2            | -           | -           | -               | 1           | 4.00         | 2         | S    |
| <b>TOTAL</b> |          |                                    | <b>16</b>    | <b>6</b>    | <b>6</b>    | <b>0</b>        | <b>1</b>    | <b>30.00</b> | <b>20</b> |      |

**FOURTH YEAR**

| 7 <sup>th</sup> Semester |          |  |           |          |          |              |          |              |           |      |
|--------------------------|----------|--|-----------|----------|----------|--------------|----------|--------------|-----------|------|
| No.                      | Code     | Module Title                                   | CL (hr/w) | L (hr/w) | P (hr/w) | Clin. (hr/w) | T (hr/w) | ECTS         | Units     | Type |
| 1                        | CUE52061 | Clinical Practice in Nutrition and Dietetics I | -         | -        | -        | 6            | -        | 6.00         | 3         | C    |
| 2                        | CUE52062 | Medical Nutrition Therapy                      | 2         | -        | -        | 3            | -        | 5.00         | 3         | C    |
| 3                        | CUE52063 | Nutrition Assessment                           | 2         | -        | 3        | -            | -        | 5.00         | 3         | C    |
| 4                        | CUE52064 | Food and Drug Interactions                     | 2         | -        | 3        | -            | -        | 5.00         | 3         | C    |
| 5                        | CUE52065 | Health Care System                             | 2         | -        | -        | -            | -        | 3.00         | 2         | E    |
| 6                        | CUE52066 | Nutrition Services and Catering Management     | 2         | -        | -        | -            | -        | 3.00         | 2         | E    |
| 7                        | CUE52080 | Graduation Project                             | -         | -        | 2        | -            | -        | 3.00         | 1         | C    |
| <b>TOTAL</b>             |          |  | <b>10</b> | <b>0</b> | <b>8</b> | <b>9</b>     | <b>0</b> | <b>30.00</b> | <b>17</b> |      |

| 8 <sup>th</sup> Semester |          |   |           |          |          |              |          |              |           |      |
|--------------------------|----------|---|-----------|----------|----------|--------------|----------|--------------|-----------|------|
| No.                      | Code     | Module Title                                    | CL (hr/w) | L (hr/w) | P (hr/w) | Clin. (hr/w) | T (hr/w) | ECTS         | Units     | Type |
| 1                        | CUE52071 | Clinical Practice in Nutrition and Dietetics II | -         | -        | -        | 6            | -        | 6.00         | 3         | C    |
| 2                        | CUE52072 | Enteral & Parenteral Nutrition                  | 2         | -        | -        | 3            | -        | 5.00         | 3         | C    |
| 3                        | CUE52073 | Malnutrition and Public Health                  | 3         | -        | -        | -            | -        | 5.00         | 3         | C    |
| 4                        | CUE52074 | Nutritional Supplements                         | 3         | -        | -        | -            | -        | 5.00         | 3         | E    |
| 5                        | CUE52075 | Electronic Medical Records                      | 1         | 3        | -        | -            | -        | 4.00         | 2         | E    |
| 6                        | CUE52080 | Graduation Project                              | -         | -        | 2        | -            | -        | 5.00         | 1         | C    |
| <b>TOTAL</b>             |          |   | <b>9</b>  | <b>3</b> | <b>2</b> | <b>9</b>     |          | <b>30.00</b> | <b>15</b> |      |

|                                |                 |                             |                    |
|--------------------------------|-----------------|-----------------------------|--------------------|
| Total CL (Class Lecture) =     | <b>111 hrs.</b> | Total ECTS of C (Core)=     | <b>144 (60%)</b>   |
| Total L (Laboratory) =         | <b>56 hrs.</b>  | Total ECTS of S (Support)=  | <b>51 (21.25%)</b> |
| Total P (Practical Training) = | <b>28 hrs.</b>  | Total ECTS of B (Basic)=    | <b>30 (12.5%)</b>  |
| Total Clin. (Clinical) =       | <b>18 hrs.</b>  | Total ECTS of E (Elective)= | <b>15 (6.25%)</b>  |
| Total T (Tutorial) =           | <b>1 hr.</b>    | Total ECTS=                 | <b>240</b>         |
| Total Hours =                  | <b>214 hrs.</b> | Total Units =               | <b>151</b>         |