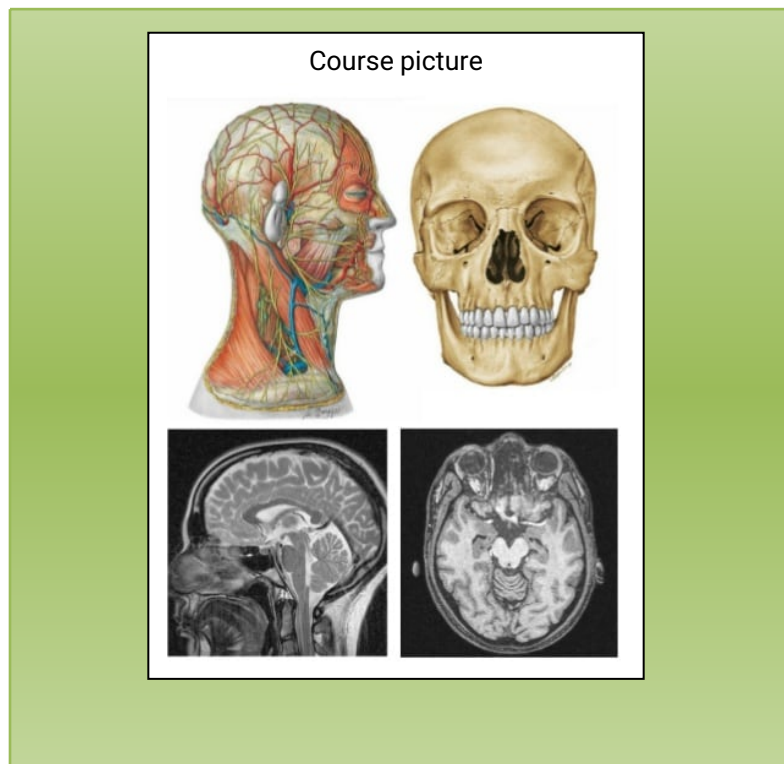


# STUDY GUIDE

Course Name - General Anatomy II

Course Code - 1207213



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Course coordination

Female section

Male section

### Course Identification

|   |   |
|---|---|
| 1. Credit hours                               | 2   |
| 2. Level/year at which this course is offered | 2 <sup>nd</sup> year 4 <sup>th</sup> semester |
| 3. Pre-requisites for this course             | Passed Preparatory (first) year               |

### Course committee members

Dr. Saad Elshafy

Dr. Ahmed Hegazy

Prof. Dr. Anitha Oommen

Prof. Dr. Liaqat Minhas

Dr. Marwa Badawy

Dr. Wajid Ali Chatha

Dr. Mohammed Mosaad

### Actual Learning Hours (Copy and paste the table from courses specification)

| No                           | Activity                        | Learning Hours |
|------------------------------|---------------------------------|----------------|
| <b>Contact Hours</b>         |                                 |                |
| 1                            | Lecture                         | 21 hours       |
| 2                            | Laboratory/Studio               | 14 hours       |
| 3                            | Tutorial                        | -              |
| 4                            | Others (specify)                | -              |
|                              | <b>Total</b>                    | 35             |
| <b>Other Learning Hours*</b> |                                 |                |
| 1                            | Study                           | 35             |
| 2                            | Assignments                     | 10             |
| 3                            | Library                         |                |
| 4                            | Projects/Research Essays/Theses | -              |
| 5                            | Others (specify)                | -              |
|                              | <b>Total</b>                    | 80 hours       |

### Course Objectives (Copy and paste the table from courses specification)

Recognize the topographic anatomy of the regions of the head and neck on prosected (a cadaver, plastinated specimens and 3D visual system).

- Summarize the basic structures that compose the head and neck, such as skin, fascia, (b)  
 muscles, bones, and blood vessels.
- Analyze the information of the general plan of lymphatic drainage of the head and neck, (c)  
 regional lymph nodes where the common malignant growth can spread.
- Have a comprehensive knowledge of bones of the head and neck bones with their general (d)  
 features. Also classify the muscle groups, their actions, nerve supply and effects of nerve  
 injury and list the important muscles with their origin, insertion, nerve supply, actions and  
 relations.

**Course Learning Outcomes (Copy and paste the table from courses specification)**

| CLOs |   | Aligned PLOs |
|------|---|--------------|
| 1    | <b>Knowledge:</b>   |              |
| 1.1  | Outline the embryology head and neck  | K1           |
| 1.2  | Identify the anatomical regions of the head and their boundaries and contents   | K1           |
| 1.3  | Describe the Contents of the neck triangles including scalp, muscles, nerves, major vessels, and skull.   | K1           |
| 1.4  | Recognize the anatomy of the orbit, ocular muscles, eye, and ear  | K1           |
| 1.5  | Describe the topographic anatomy of the regions of the head and neck and their boundaries in the actual dissection, plastinated specimens and 3D visual system. | K1           |
| 2    | <b>Skills:</b>  |              |
| 2.1  | Describe the topographic anatomy of the regions of the head and neck and their boundaries in the actual dissection, plastinated specimens and 3D visual system. | S1           |

**Course Content (Copy and paste the table from courses specification)**

| No | List of Topics   | Contact Hours |
|----|--|---------------|
| 1  | Scalp  | 1             |
| 2  | Face   | 1             |
| 3  | Development of the head and neck I (Face, Nose, Palate and Teeth)  | 1             |
| 4  | Cranial cavity 1   | 1             |
| 5  | Cranial cavity 2   | 1             |
| 6  | Orbital region I   | 1             |
| 7  | Orbital region II + Eyelids & lacrimal apparatus   | 1             |
| 8  | Structure of eye   | 1             |
| 9  | Development of the eye   | 1             |
| 10 | Temporal region & muscles of mastication   | 1             |
| 11 | Infratemporal region & Temporomandibular joint   | 1             |
| 12 | Parotid & submandibular region   | 1             |
| 13 | Neck I (triangles and divisions of the neck)   | 1             |
| 14 | Neck II (nerves: cervical plexus, sympathetic chains and parasympathetic ganglion)                                   | 1             |
| 15 | Key vessels (arteries and veins) of head and neck  | 1             |
| 16 | Development of the head and neck II (Pharyngeal Arches, Pharyngeal Clefts, Pharyngeal Pouches and their derivatives) | 1             |
| 17 | Cranial nerves 1 (1st, 2nd, 3rd, 4th and 5th)  | 1             |
| 18 | Cranial nerves 2 (6th, 7th and 8th)  | 1             |
| 19 | Cranial nerves 3 (9th, 10th, 11th and 12th)  | 1             |

|                   |  |           |
|-------------------|--|-----------|
| 20                | Anatomy of the Ear (External, Middle and Internal)                   | 1         |
| 21                | Development of the ear   | 1         |
| <b>Practicals</b> |  |           |
| .1                | Osteology of skull - 1   | 1         |
| .2                | Osteology of skull – 2   | 1         |
| .3                | Scalp and face   | 1         |
| .4                | Muscles of mastication, temporal region and temporo-mandibular joint | 1         |
| .5                | Infratemporal region and parotid gland                               | 1         |
| .6                | Orbital region, eyelids and lacrimal apparatus                       | 1         |
| .7                | Meninges and dural venous sinuses                                    | 1         |
| .8                | Bones of neck  | 1         |
| .9                | Triangles of the neck  | 1         |
| 10                | Main nerves of the neck  | 1         |
| 11                | The eye  | 1         |
| 12                | The ear  | 1         |
| 13                | All arteries and veins   | 1         |
| 14                | All nerves including cranial nerves                                  | 1         |
| <b>Total</b>      |  | <b>35</b> |

**Teaching strategies and Assessment Methods for Students (Copy and paste the table from courses specification)**

| Code | Course Learning Outcomes  | Teaching Strategies            | Assessment Methods             |
|------|---|--------------------------------|--------------------------------|
| 1.0  | <b>Knowledge</b>  |                                |                                |
| 1.1  | Outline the embryology head and neck  | Direct instructional (lecture) | - Written exams (MCQs & SAQs). |
| 1.2  | Identify the anatomical regions of the head and their boundaries and contents                           | Direct instructional (lecture) | - Written exams (MCQs & SAQs). |
| 1.3  | Describe the Contents of the neck triangles including scalp, muscles, nerves, major vessels, and skull. | Direct instructional (lecture) | - Written exams (MCQs & SAQs). |
| 1.4  | Recognize the anatomy of the orbit, ocular muscles, eye, and ear  | Direct instructional (lecture) | - Written exams (MCQs & SAQs). |

**Assessment Tasks for Students (Copy and paste the table from courses specification)**

| # | Assessment task* | Week Due         | Percentage of Total Assessment Score |
|---|------------------|------------------|--------------------------------------|
| 2 | Midterm          | 6 <sup>th</sup>  | 25%                                  |
| 3 | Assignment       | 10 <sup>th</sup> | 15%                                  |
| 4 | Final exam       | End of semester  | 40%                                  |
| 5 | OSPE             | End of semester  | 20%                                  |

**Course blueprint (% of total summative marks in blue print is to be given in the range)**

| Topics  | Teaching strategies | Assessment methods | Knowledge |    |     | Skill |    |     | Competency |    |     | % of total contact hours | % of total summative marks |      |
|---|---------------------|--------------------|-----------|----|-----|-------|----|-----|------------|----|-----|--------------------------|----------------------------|------|
|   |                     |                    | K1        | K2 | ... | S1    | S2 | ... | C1         | C2 | ... |                          |                            |      |
| Scalp   | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Face  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Development of the head and neck I (Face, Nose, Palate and Teeth) | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Cranial cavity 1  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Cranial cavity 2  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Orbital region I  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Orbital region II + Eyelids & lacrimal apparatus                  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Structure of eye  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Development of the eye  | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Temporal region & muscles of mastication                          | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
| Infratemporal region & Temporomandibular joint                    | Lecture             | Written exams      | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |
|   | Lecture             |                    | K1        | -  | -   | -     | -  | -   | -          | -  | -   | -                        | 2.8%                       | 3.8% |



| Parotid & submandibular region   |         | Written exams |    |   |   |   |   |   |   |   |   |   |   |      |      |
|--|---------|---------------|----|---|---|---|---|---|---|---|---|---|---|------|------|
| Neck I (triangles and divisions of the neck)   | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Neck II (nerves: cervical plexus, sympathetic chains and parasympathetic ganglion)                                   | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Key vessels (arteries and veins) of head and neck  | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Development of the head and neck II (Pharyngeal Arches, Pharyngeal Clefts, Pharyngeal Pouches and their derivatives) | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Cranial nerves 1 (1st, 2nd, 3rd, 4th and 5th)  | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Cranial nerves 2 (6th , 7th and 8th )  | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Cranial nerves 3 (9th , 10th , 11th and 12th )   | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |
| Anatomy of the Ear (External, Middle and   | Lecture | Written exams | K1 | - | - | - | - | - | - | - | - | - | - | 2.8% | 3.8% |





|                                     |            |      |   |   |   |    |   |   |   |   |   |   |      |      |
|-------------------------------------|------------|------|---|---|---|----|---|---|---|---|---|---|------|------|
| All arteries and veins              | Lab. based |      |   |   |   |    |   |   |   |   |   |   |      |      |
| All nerves including cranial nerves | Lab. based | OSPE | - | - | - | S1 | - | - | - | - | - | - | 2.8% | 1.4% |

### Learning Resources (Copy and paste the table from courses specification)

|                                       |   |
|---------------------------------------|---|
| <b>Required Textbooks</b>             | Richard S Snell. Clinical Anatomy by Regions: 9th Edition.<br>Snell's Clinical Neuroanatomy 8 <sup>th</sup> Edition |
| <b>Essential References Materials</b> | List Electronic Materials, Web Sites, you tube, Flash cards etc   |
| <b>Electronic Materials</b>           | Computer-based programs/CD, professional standards, regulations and software  |
| <b>Other Learning Materials</b>       | Power points.   |

### Course quality evaluation

After the end of the course, please give your **FEEDBACK** through the following QR code:

