



About Top Hat

Top Hat's interactive, cloud-based teaching platform enables professors to engage students inside and outside the classroom with compelling content, tools, and activities. Millions of students at 750+ leading North American universities use Top Hat's app for classroom engagement, testing, and online course materials. Headquartered in Toronto, Top Hat has been operating profitably since its 2009 launch with \$50 million in venture capital funding. To learn more, visit www.tophat.com.

TOP HAT

Graduate Student Job Opportunity: Content writer (Freelance), Anatomy & Physiology

[Top Hat](http://www.tophat.com) is seeking freelancers to develop engaging question assessments geared towards an Introductory Anatomy & Physiology course, between now and early 2020.

Duties:

Choose a topic(s) of interest from the list below and create **100** questions of varying types (e.g. multiple-choice, matching, ordering, etc.) and levels of difficulty that can be used to assess a student's knowledge for an introductory, two-semester anatomy & physiology course. Additional details and resources will be provided to successful candidates.

Organizing Principles of A&P	Muscle Mechanics	Circulation & Short-Term Blood Pressure Regulation
Cell Structure & Function	Central Nervous System	Respiratory System
Histology	General Sensation	Immune System
Integumentary System	Specialized Senses	Digestive System
Bones & Axial Skeleton	Motor Pathways	Nutrition & Metabolism
Appendicular Skeleton	Autonomic Nervous System	Renal System & Long-Term Blood Pressure Regulation
Articulations	Endocrine System	Reproductive System
Excitable Cells	Blood	Reproduction, Fetal Development & Heredity
Skeletal & Smooth Muscle	Heart	

Students can create questions for 1 or more topics as their schedule permits. **All questions must be the student's own work product and not copied from any existing publishers' test banks.**

Qualifications

- Enrolled in or graduated from an accredited M.Sc. or Ph.D. program in biology or biology-related discipline (e.g., genetics, biochemistry, pathobiology etc.)
- Excellent attention to detail
- Ability to handle a large volume of work with tight deadlines
- Experience as a teaching assistant in Anatomy & Physiology (combined or separate courses) is preferred

Compensation: \$150 for 100 questions

To apply for this opportunity, please send your CV to:

Dr. Keira Pereira, Educational Project Manager, at keira.pereira@tophatmonocle.com.

You will be asked to prepare **8 sample questions*** (4 multiple choice, 2 ordering & 2 matching) based on a chapter of our digital textbook which you will receive access to subsequent to receiving your application. They should be Bloom's level 3 or higher ([see primer on Bloom's taxonomy here](#))

Examples of ordering and matching questions

Ordering

1. Put the following stages of fetal development in the correct order:

- A - blastocyst
- B - embryo
- C - zygote
- D - fetus
- E - morula

Matching

2. Match the hormones of pregnancy with its function

- | | |
|------------------------|---|
| 1 - Progesterone | A - Potent vasodilator; increases the force and rate of contraction of the heart |
| 2 - Estrogen | B - Favours nutrient mobilization towards the fetus |
| 3 - Relaxin | C - Prevents uterine contractions and thus prevents parturition |
| 4 - Placental lactogen | D - Favours uterine contractions and thus favours parturition |
| 5 - Prolactin | E - Favours nutrient mobilization toward the mother during periods of homeostatic imbalance |

