

جدول اكواد المقررات الدراسية للفرقة الاولى قديم تيرم ثاني

| الكود | اسم المقرر | م |
|--------|--------------|---|
| PM 401 | ميكروبيولوجي | 1 |
| PT 403 | صيدلة طبيعية | 2 |
| PG 404 | عقاقير | 3 |
| PA 403 | تحليلية | 4 |
| MD 406 | علم نفس | 5 |
| MD 404 | فسيولوجي | 6 |
| MD 405 | أصول تسميات | 7 |



كلية الصيدلة جامعة المنوفية

اسم المقرر: أصول التسميات

القسم: ينظم تدريسه الصيدلة الاكلينيكية

كود المقرر: MD 405

الفرقة: الاولي قديم

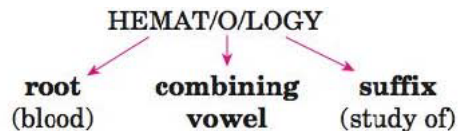
Terminology Research topics

1. Angina Pectoris
2. Hypertension
3. Gout
4. Anxiety disorders
5. Arrhythmia
6. Cirrhosis
7. Acute renal failure
8. Asthma
9. Respiratory distress syndrome
10. Arthritis

Each topic should include:

1. Definition of the disease
2. Causes of the disease
3. Sign and symptoms
4. Analysis of five medical terms that were mentioned in the assignment

e.g.:





كلية الصيدلة جامعة المنوفية

اسم المقرر: عقاقير

كود المقرر: PG 404

القسم: العقاقير

الفرقة: الاولى قديم

- The research project should start with an **introduction**, **Body text** and end with a **conclusion and references**.
- Clear information should be given about (If present):
 1. The botanical origin of the drugs.
 2. Major constituents.
 3. Pharmacological, Toxicological and Side effects.
 4. Pharmaceutical preparations available in the Egyptian drug market and/or international market
 5. References (books, journals, internet sites).
- Each student will should achieve the following tasks, after careful selection of the topic of interest.
 - Task 1: Data collection
 - Task 2: Data organization.
 - Task 3: Preparation of Word text.
 - Task 4: Revision of the final copy.
- Focus your research on drugs you did not study this semester and collect data about at least three drugs.
- Design figures and tables, whenever possible.
- Do not use copy and paste function to prepare your file, instead, express sentences in your own way.

Research topics for PHARMACOGNOSY III-First year 2nd semester, 2019/2020

| Project No. | Topics covered |
|--------------------|---|
| 1-1 | Fixed oils of medicinal Importance |
| 1-2 | Resins of medicinal Importance |
| 1-3 | Gums of medicinal Importance |
| 1-4 | Carbohydrates of medicinal Importance |
| 1-5 | Chromatographic applications in plant metabolites identification |
| 1-6 | Chromatographic applications in quality control of herbal drugs |



كلية الصيدلة
جامعة المنوفية

اسم المقرر: صيدلة طبيعية

القسم: التكنولوجيا الصيدلانية

كود المقرر: PT 403

الفرقة: الاولى قديم

Titles of research projects of Physical Pharmacy Course – First year credit hours
pharmacy students- Second term 2019/2020

- 1) Effect of interfacial phenomena on emulsion formulation and stability
- 2) Pharmaceutical application of micellar solubilization
- 3) Factors affecting critical micelle concentration of polar surfactant
- 4) Pharmaceutical dosage forms following Newtonian flow
- 5) Pharmaceutical dosage forms following plastic flow
- 6) Pharmaceutical application of rotating viscometer
- 7) Pharmaceutical application of Thixotropy
- 8) Pharmaceutical application of particle size reduction for improving aqueous solubility
- 9) Pharmaceutical application of crystallization of supersaturated solutions
- 10) Effect of polymorphism on drug solubility
- 11) Explain energy changes during process of dissolution
- 12) Effect of electrolyte on association colloids
- 13) Effect of viscosity on colloids properties
- 14) Pharmaceutical application of electrophoresis
- 15) Pharmaceutical application of zeta potential
- 16) Pharmaceutical applications of buffers in parenteral formulation
- 17) Pharmaceutical applications of buffers in ophthalmic formulation
- 18) Pharmaceutical applications of isotonicity in ophthalmic formulation
- 19) Pharmaceutical applications of isotonicity in parenteral formulation
- 20) Pharmaceutical applications of adsorption chromatography
- 21) Pharmaceutical applications of adsorption in wetting of insoluble solids
- 22) Pharmaceutical applications of activated charcoal



كلية الصيدلة جامعة المنوفية

اسم المقرر: علم النفس

القسم: انتداب كلية الآداب

كود المقرر: MD 406

الفرقة: الاولى قديم

عزيزي الطالب / الطالبة، من خلال دراستك، ووفق آليات إعداد المشروع البحثي التي أعدتها جامعة

المنوفية، قم بإعداد (واحد) من الموضوعات التالية:

١ _ التمييز بين نظريات الدوافع ونظريات الانفعال.

٢ _ تختلف فروع علم النفس وفقا للمصدر وأثر المثير والمنهجية.

٣ _ المداخل والنظريات المفسرة للإدراك.

٤ _ الانتباه بأنواعه وخصائصه ونماذج يتحكم في مسيرة تفكير الأفراد في المواقف المختلفة.

٥ _ ماذا يقدم علم النفس لدارسي الصيدلة؟



كلية الصيدلة
جامعة المنوفية

اسم المقرر: فسيولوجيا

القسم: انتداب كلية الطب

كود المقرر: MD 404

الفرقة: الاولى قديم

- 1-Growth hormone; functions and disturbances.**
- 2- Thyroid gland functions and control.**
- 3- Thyroid disturbances.**
- 4- Calcium homeostasis.**
- 5- Mechanisms of hormone action.**
- 6- Cortisol functions and Control.**
- 7- Cushing and Addison.**
- 8- Insulin functions and control.**
- 9- Pathophysiology of D.Mellitus.**
- 10- Female cyclic changes.**



كلية الصيدلة
جامعة المنوفية

اسم المقرر: كيمياء تحليلية

القسم: الكيمياء التحليلية الصيدلانية

كود المقرر: PA 403

الفرقة: الاولى قديم

Research Topics mainly on applications of analytical methods:

1. Spectrophotometric methods used in drug analysis in different dosage forms.
 - **Instrumentation**
 - **Applications**
 2. Spectrophotometric methods used in environmental analysis.
 - **Instrumentation**
 - **Applications**
 3. Spectrophotometric methods used in food analysis.
 - **Instrumentation**
 - **Applications**
 4. Spectrophotometric methods used in forensic analysis.
-

1. Spectrofluorimetric methods used in drug analysis in different dosage forms.
 - **Instrumentation**
 - **Applications**
 2. Spectrofluorimetric methods used in environmental analysis.
 - **Instrumentation**
 - **Applications**
 3. Spectrofluorimetric methods used in food analysis.
 - **Instrumentation**
 - **Applications**
 4. Spectrofluorimetric methods used in forensic analysis.
-

1. Electrochemical methods used in drug analysis in different dosage forms.
 - **Instrumentation**
 - **Applications**
 2. Electrochemical methods used in environmental analysis.
 - **Instrumentation**
 - **Applications**
 3. Electrochemical methods used in food analysis.
 - **Instrumentation**
 - **Applications**
 4. Electrochemical methods used in forensic analysis.
-

1. Derivatization used in Spectrophotometric methods.
2. Derivatization used in Spectrofluorimetric methods.
3. Chromatographic methods used in forensic analysis.
 - **Choose ONE technique (HPLC or HPTLC or GC)**
 - **Instrumentation**
 - **Applications**
4. Electrophoretic methods used in forensic analysis.
 - **Instrumentation**
 - **Applications**
5. Titrimetric methods used in drug analysis.
 - **Choose ONE method (Neutralization or precipitation or Complex formation or Redox)**
 - **Applications**



كلية الصيدلة جامعة المنوفية

اسم المقرر: ميكروبيولوجي

كود المقرر: PM 401

القسم: الميكروبيولوجيا الصيدلانية

الفرقة: الاولى قديم

1- Binary fission in microorganisms

- Other modes of reproduction in bacteria (briefly).
- Binary fission in different microorganisms.
- Comparison between binary fission and mitosis.

2- Monocistronic and Polycistronic mRNAs

- Comparison between transcription in prokaryotes and eukaryotes.
- Similarities and difference between monocistronic and polycistronic mRNA.
- Coverage of some concepts related to each type such as, operons, post-transcriptional modifications, etc....

3- Bacterial toxins

- Endotoxins and exotoxins
- Secretion of toxins
- Mode of action
- Some examples with details

4- Dimorphic fungi

- Different forms of fungi.
- Regulation of dimorphism in fungi

5- COVID-19

- Corona viruses
- COVID-19 structure and replication cycle
- Possible treatment targets of COVID-19

6-Magnetotactic bacteria

- Bacterial chemotaxis, phototaxis, and magnetotaxis
- Magnetosomes
- Applications of magnetotactic bacteria and magnetosomes

7- Microbial fermentation

- Aerobic respiration, anaerobic respiration, and fermentation
- Mechanism of fermentation.
- Types and products of fermentation
- Applications of fermentation

8- Virus entry into host cells

- A brief overview of Virus structure, and viral surface structures involved in attachment
- Virus attachment to cell surface receptors and different mechanisms of entry
- Therapeutic strategies targeting virus entry steps.

9- Gene therapy

- Definition, principle and mechanism.
- Types and therapeutic uses.

10-Phage therapy

- Definition, principle and mechanism.
- Types and therapeutic uses.