**Course Report**

**2020-2021**

**University**: Beni-Sueif

**College/ Institution:** Pharmacy

**Department**:

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| **A. Basic information:** |
| 1. Course title & code
 | Pharmaceutical Analytical Chemistry III - PAC 303 |
| 1. Program (s) on which this course is given
 | Bachelor of Pharmacy – Pharm D |
| 1. Year/ Level
 | 2020/2021, level 2, first semester |
| 1. Credit hours
 | Lecture (1) hour + Practical (1) hour |
| 1. Number of lecturers
 | 4 |
| 1. Names of lecturers contributing to the delivery of the course
 | Dr.Nessreen Salah EldinDr.Rehab Magdy Dr.Maimana Ahmed MagdyDr.Salwa Ibrahim |
| 1. Name of external evaluator

Date of approving  | The first time to teach this course |
| **B. Special information** |
| 1. Statistics:
 |
| * Number of students attending the course
 | 122 |
| * Number completing the course
 | 122 |
| * Exam result
 | Pass: 122 (100%)Fail: 0 (0%) |
| * Grading percentage of successful students:
 | Excellent: Very good:Good:Fair: | 54(44.3%)43(35.2%)20(16.4%)5 (4.1 %) |
| 1. Course teaching:
 |
| **Week** | **Date** | **Lectures topics** | **Hours** | **Lecturer** | **Practical topics** | **Hours** |
| 1 | **19/10/2020****22/10/2020** |  **Introduction to redox reactions-electrical properties of redox systems** | 1 | **Dr. Maimana Ahmed Magdy** |  **Detrmination of Phenol** | 1 |
| 2 | **26/10/2020****29/10/2020** |  **-Nernest equations****-Factors affecting oxidation potential** | 1 | **Dr. Maimana Ahmed Magdy** | **Detrmination of hydrogen peroxide** | 1 |
| **3** | **2/11/2020****5/11/2020** | **Redox titration curves-problems**  | 1 | **Dr. Maimana Ahmed Magdy** | **Detrmination of oxalate** | 1 |
| **4** | **9/11/2020****12/11/2020** | **properties of some oxidizing agents**  | 1 | **Dr. Salwa Tohamy** | **Detrmination of Fe+2/Fe+3** | 1 |
| **5** | **16/10/2020****19/10/2020** | **Pharmaceutical applications of redox reactions**  | 1 | **Dr. Salwa Tohamy** | **Detrmination of Pb+2** | 1 |
| **6** | **23/10/2020****26/10/2020** | **Pharmaceutical applications of redox reactions** **(iodine iodide system)**  | 1 | **Dr. Salwa Tohamy** | **Practical exam 1** | 1 |
| **7** | **30/11/2020****3/12/2020** | **Electrochemical methods of analysis - Conductometry**  | 1 | **Dr. Salwa Tohamy** | **(Electro) Introduction Conductometry problems** | 1 |
| 8 | **7/12/2020****910/12/2020** | **Principles of Potentiometry**  | 1 | **Dr. Nesserin Salah Eldin** | **Potentiometry problems** | 1 |
| 9 | **14/12/2020****17/12/2020** | **Electrodes used in potentiometry**  | 1 | **Dr. Nesserin Salah Eldin** | **Electro sheet** | 1 |
| 10 | **21/12/2020****24/12/2020** | **Polarography** | 1 | **Dr. Nesserin Salah Eldin** | **Water analysis****(acidity-alkalinity-nitrite)** | 1 |
| 11 | **28/12/2020****31/12/2020** | **Water analysis 1** | 1 | **Dr. Rehab Magdy** | **Water hardness-Cu+2-Zn+2** | 1 |
| 12 | **4/1/2021** | **Water analysis 2** | 1 | **Dr. Rehab Magdy** | **Practical Exam 2** | 1 |
| **Total** | **12** | **Total** | 12 |
| Topics taught as a percentage of the content specified | < 60% ( ) 60-84% ( )> 85 % ( √ ) |
| Exam coverage of taught topics | < 60% ( )60-84% ( )> 85 % (√ ) |
| Teaching and learning strategies | ( √ )Lecture( √ )Practical training/Laboratory( ) Case study( √)Class activities(√ )Distance learning –using google class room |
| Student assessment | Pass or fail research projects |
| 1. Facilities and teaching materials:
 |
| * Scientific references
 | ( ) Totally adequate( √ ) Adequate to some extent( ) Inadequate |
| * Media
 | ( )Totally adequate(√ ) Adequate to some extent( ) Inadequate |
| * Materials
 | ( )Totally adequate( √ ) Adequate to some extent( ) Inadequate |
| 1. Administrative constraints
 |  |
| 1. Student evaluation of the course
 |  |
| 1. Course enhancement suggestions
 |  Enhancement of active teaching strategies Enhancement of distance learning |
| 1. Comments from external evaluator(s):(if present)
 | ---------- |
| 1. Executed actions (identified in the previous year’s action plan):
 | The first time to teach this course |
| 1. Non-executed actions (state why?)
 | The first time to teach this course |
| 1. Action plan for the coming academic year 2021 – 2022
 |
| Action required | Description | Completion Date | Person Responsible |
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**Course coordinator:***Dr.Nessreen Salah Eldin* **Signature:**

**Head of department:** *Prof. Dr. Eglal Abdelhameed* **Signature:**

**Date: 8/2021**