**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 Eldin  Dr.Rehab Magdy  Dr.Maimana Ahmed Magdy  Dr.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**