**Kingdom of Saudi Arabia**

**The National Commission for Academic Accreditation & Assessment**

**COURSE SPECIFICATION**

**PHT 435**

**Cosmetics Preparations**

**Revised March 2007**

**Course Specification**

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| Institution: **King Saud University** |
| College/Department : **Pharmacy / Pharmaceutics** |

## A Course Identification and General Information

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| 1. Course title and code: **PHT 435(Cosmetics Preparations)** |
| 2. Credit hours : **1** |
| 3. Program(s) in which the course is offered.  (If general elective available in many programs indicate this rather than list programs)  **B. Pharmacy** |
| 4. Name of faculty member responsible for the course  **Dr. Gamal M. Mahrous, Hanaa Al-Sagheer and Amal Al-Sayah** |
| 5. Level/year at which this course is offered: **10** |
| 6. Pre-requisites for this course (if any):  **PHT 224, PHT 312, PHT 322** |
| 7. Co-requisites for this course (if any)  **NA** |
| 8. Location if not on main campus **Malaz and Derreiyah** |
| 9.Course Language : **English** |

**B Objectives**

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| 1. Summary of the main learning outcomes for students enrolled in the course.  In this course different topics are given either through devoted sessions or during the practical labs. The historical development of cosmetics, the different types of products, the different ingredients including the prohibited or limited ones, the FDA authority over cosmetics, the skin and its functions, preservatives in cosmetics are presented.  Labs are given including preparation and evaluation of many types of cosmetics products |
| 1. Briefly describe any plans for developing and improving the course that are being implemented. (eg increased use of IT or web based reference material, changes in content as a result of new research in the field):    * Increased use of IT or web based reference material,    * And changes in contents as a result of new research and knowledge in the field. |

1. **Course Description** (Note: General description in the form to be used for the Bulletin or Handbook should be attached)

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| List of Topics | No of Weeks | Contact hours |
| The historical development of cosmetics | 1 | 2 |
| Shampoos  Hair conditioners | 2 | 6 |
| Skin preparations for the face and hands:  Cleansing creams Emollient creams Hand creams | 3 | 9 |
| Lipsticks | 1 | 3 |
| Dental preparations | 2 | 6 |
| Suntan and sunscreen preparations | 1 | 3 |
| Antiperspirants and deodorants | 1 | 3 |
| preservatives in cosmetics | 1 | 2 |
| FDA authority over cosmetics | 1 | 2 |

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| 2 Course components (total contact hours per semester): | | | | |
| Lecture: 12 | Tutorial: 2 | Laboratory: 36 | Practical/Field work/ Internship | Other: |

3. Additional private study/learning hours expected for students per week. (This should be an average

:for the semester not a specific requirement in each week)

**6 hours/semester**

**Part-4. De velopment of Learning Outcomes in Domains of Learning.**

For each of the domains of learning shown below indicate:

* + A brief summary of the knowledge or skill the course is intended to develop;
  + A description of the teaching strategies to be used in the course to develop that knowledge or skill;
  + The methods of student assessment to be used in the course to evaluate learning outcomes in the domain concerned.

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| **LO** | **Teaching methods** | **Assessment methods** |
| **Knowledge skills**   * Knowledge about different cosmetic products. * Interpretation of formulation parameters and dispensing procedure * problem encountered in preparation of different cosmetic products * Packaging and labelling different cosmetic products * Evaluation of different cosmetic products. | * Via theoretical” lectures” and practical labs. * Reports, homework and use of IT e.g. power point for presentation. | * Written quizzes, mid-terms, final exams, and practical exams. * Verbal discussions, and power point presentation |
| **Cognitive skills**   * Critical thinking, and appropriate decision for problems. * Alertness about the use , and manufacturing of cosmetics. * Precision during directions given to consumer. | * The student should be asked to prepare report using txt book or internet. * Discussion about the formulation and manufacture problems and evaluation of cosmetics * Students would be asked to present a summary for certain topics via power point , as well as reports | * Discussion needs to be presented in groups of students. * Compounding of medication in lab. will be evaluated. * Attitude of students in lab. will be evaluated. * Reports will be presented and will be evaluated accordingly. * Presentation of selective topics using power point. |

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| **Interpersonal skills and responsibilities**   * Communication with instructors, tutors and staff.. * Communication with different personalities and attitudes. * Giving indications to patients in a professional way. * The student should be engaged in higher responsibilities. | * Students will be trained on simulating situations. * Video tapes will be used to show students the professional ways of communication with patients and community. * Group discussion will be needed.4 * Group projects will be carried out. | * Monitoring of students’ attitudes in lectures and labs. * Participation of students in the community activities. * Assessment of home assignments and reports. * Evaluation of the group projects. * Monitoring the action/ reaction of students when entitled to higher responsibilities |
| **Communication, Information Technology and Numerical Skills.**   * Search utilizing internet to cope with course   demand.   * Following up the update knowledge concerning the course demand. * Presentation using power point. * Self learning. | * Training on different software and special programs related to the course e.g. labelling of the dosage forms. * Students will be asked to present a research project utilizing the I.T. showing the latest information about certain topics | * The positive role of the student in group projects * The effective participation of the student in the activities.. |
| **Psychomotor Skills (if applicable)**   * Alertness of the student during presence in labs. * Good management of the students in labs. * Performance of proper treatment of problems under stressful circumstances. * Level of performance required should meet the international standards. | * The student should perform a practical demonstration in front of others “colleagues and staff”. * Motivation and encouragement from the staff. * Audio visual demonstration of different pharmaceutical situations | * Practical exams. * Close supervision of the student during labs. * Evaluation of students for different assignments.    |

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| 5. Schedule of Assessment Tasks for Students During the Semester | | | |
| Assess  ment | Assessment task (eg. essay, test, group project, e xa mination  etc.) | Week due | Proportion  of Final Assessment |
| 1 | reports | 3,6,9 | 15% |
| 2 | Midterm exam | 7 | 15% |
| 3 | Practical exam | 13 | 30% |
| 4 | Final e xa m | 17 | 40% |
| **Total** | | | **100%** |

## Student Support

1. Arrangements for availability of teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are e xpected to be available each week)

**4 hours / week as office hours**

**E Learning Resources**

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| 1. Required Te xt(s)  **Cos metics: Science and Technology** |
| 2. Essential References  **Cos metics: Science and Technology** |
| 3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)  **FDA& cos metic act, SFDA , cos metics dept., EU directive over cosmetics , Cosmetic Manuf. J. Non prescription drugs.** |
| 4-.Electronic Materials, Web Sites etc  **Power point materials** |
| 5- Other learning material such as computer-based programs/CD, professional standards/regulations .  **FDA regulations over cosmetics, EU directive for regulations over cos metics, Saudi FDA regulations over cosmetics** |

**F. Facilities Required**

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| Indicate requirements for the course including size of classrooms and laboratories (ie number of seats in classrooms and laboratories, extent of computer access etc.) |
| 1. Accommodation (Lecture rooms, laboratories, etc.)    * **Number of seats in each classroom would be up to 30 s eats.**    * **Number of seats in each laboratory would be up to 25 seats.** |
| 1. Computing resources    * **Balances (one per student)**    * **Hot plate (one per 2 students)**    * **Sonication water baths (one per 10 students) –**    * **pH Meters (one per 10 students)**    * **Glass wares( all types and sizes)**    * **Mortars and pestles (porcelain and glass), one of each type per student.**    |
| 3. Other resources (specify --eg. If specific laboratory equipment is required, list requirements or attach  list)  **NA** |

**G Course Evaluation and Improvement Processes**

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| 1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching   * **Questionnaire is given to students to be filled about course content and teaching procedures.** * **Evaluation of standards of the students in the quizzes, midterms, final exams, and home assignments, reports, and presentations.** |
| 2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department   * **Verbal discussion should be done by the staff member in presence of students about course content and teaching procedures, in order to express the extent of comprehension and understanding.** * **Discussion of the model ans wer of the written exams- quizzes& midterms- with the students to review their ans wers.** * **listening to students’ complaints**    |

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| 3 Processes for Improvement of Teaching   * **Visiting to factory of cos metic manufacturing, Video illustration for formulation of cosmetic products** |
| 4. Processes for Verifying Standards of Student Achievement (eg. check marking by an independent member teaching staff of a sample of student work, periodic e xchange and remarking of tests or a  sample of assignments with staff at another institution)   1. **check marking by an independent member teaching staff of a sample of student work** 2. **periodic exchange and remarking of tests or a sample of assignments with another staff)** |
| 5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.   * **Es tablishing an academic committee in each department to control :**   + **Periodical re vie wing of the course content,**   + **midterms,**   + **final exams,**   + **students’ complaints,**   + **time factor,**   + **discipline,**   + **attendance of students and**   + **tutors.** |