**JACKSON COLLEGE OFFICIAL COURSE OUTLINE**

**Course number, title and credits; total time allocation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Course Letter/Number | **RES 210** | Credits | **3** | Title | **Perinatal and Pediatric Respiratory Care** |
|  |  |  |  |  |  |
| Lecture/Discussion | **30** | hrs/semester |  | Lab | **45** | hrs/semester |  | Clinical | **0** | hrs/semester |

**Catalog Description and Pre- and Co-requisites (Same as taxonomy and catalog)**

**This classroom and laboratory course covers topics including fetal growth and development, patient assessment, commonly encountered equipment, and the clinical management of common neonatal/pediatric diseases and conditions.**

**Knowledge, Skills and Abilities Students Acquire from this Course (Educational Objectives)**

* **Compare and contrast problems in the care of the high risk newborn, including thermoregulation, RDS, BPD, pulmonary dysmaturity, and other disorders. ADO 7**

**Associate Degree Outcomes Addressed in this Course (These must appear in course syllabus.)**

* **ADO 7**

**Units/topics of Instruction**

* **Fetal Development**
* **Fetal to Neonatal Transition, and High Risk Deliveries**
* **Neonatal Resuscitation**
* **Airway Management of the Neonate**
* **Assessment of the Neonate**
* **Cardiopulmonary Diseases of the Neonate**
* **Neonatal Cardiopulmonary Management**
* **Common Pediatric Diseases**
* **Congenital Heart Defects**
* **Oxygen and Aerosol Therapy for Neonatal and Pediatric Patients**
* **Respiratory Medication Delivery**
* **Bronchial Hygiene Techniques for Neonatal and Pediatric Patients**
* **CPAP Types and Application**
* **Neonatal-Pediatric Ventilators**
* **Neonatal-Pediatric Ventilation Techniques**

**Instructional Techniques and Procedures**

* **Lecture**
* **Lab**

**Instructional Use of Computer or Other Technology**

* **Yes**

**Instructional Materials and Costs to Students**

* **$29**

**Skills and abilities students should bring to the course:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | a limited amount of material |  |  | basic, pre-algebraic problems |
| Able to read |  | an average amount of material | Able to compute | **X** | simple algebraic problems |
|  | **X** | an above average amount of material |  |  | higher order mathematical problems |
|  |  |  |  |  |  |
|  |  | relatively easy material |  | **X** | short compositions |
| Able to read |  | moderately difficult material | Able to write |  | medium length compositions |
|  | **X** | technical or sophisticated material |  |  | lengthy compositions |
|  |  |  |  |  |  |
|  | **X** | keyboard skills/familiar with computer |  |  |  |
| Able to use | **X** | computer application | Other necessary  |  |  |
|  technology | **X** | web navigation |  Abilities |  |  |
|  |  |  |  |  |  |

**The course is usually scheduled:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  Day: |  | Fall |  | Winter | **X** | Spring | Evening: |  |  Fall |  | Winter |  | Spring |

|  |  |  |
| --- | --- | --- |
| **Prepared by \_\_\_\_\_Ann Flint\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |  | **Date \_\_11-23-2013\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Approved by Dept. Kristin Spencer** |  | **Date 11-25-13** |
| **Approved by Dean: Jeremy Frew** |  | **Date 11-26-13** |
| **Approved by Curr. Comm. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |  | **Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

 **(Last names, please) Form Revised 12/4/00**