***Syllabus***

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| --- | --- |
| **Week** | **Topic** |
| **1** | **Sterile Area** |
| **2** | **Concentration Expression** |
| **3** | **Cont.** |
| **4** | ***Buffer*** |
| **5** | **Isotonicity** |
| **6** | **preservatives** |
| **7** | **Laminar Flow Cabinets** |
| **8** | **Midterm Exam** |
| **9** | **Fluid and Electrolyte Therapy** |
| **10** | **Parenteral quality control** |
| **11** | **IV administration** |
| **12** | **Ophthalmic Preparations**  |
| **13** | **review** |
| **14** | **Final Exam** |

***Evaluation***

|  |  |
| --- | --- |
| **Midterm Exam****Quizzes****Final Exam** | **10****5****15** |
| **Total** | **30** |

***References***

* Remington; the Science and Practice of Pharmacy (21st edition). Publisher Lippincott Williams and Wilkins.
* Martindale: The complete drug reference, Sweetman, S. C., Ed., Kathleen parfitt; The Pharmaceutical Press, London, UK.
* Pharmaceutical Practice. Second edition, A. J. Winfield, R. M. Richars. Churchill Livingstone.