

BOSTON REED COLLEGE®
 Intravenous Compounding Program
 Student Course Outline

Week / Assignment	Theory	Lab
1 Dosage Calculations Chapters 11 and 13 Review Sets p. 25-26 and 29-31 Pharmacy Practice Chapter 18 Assessment p. 308-310	Parenteral Dosage of Drugs Using Ratio-Proportion to Calculate Dosages Pharmacy Infection Control	<ul style="list-style-type: none"> • Handwashing • Gown, Mask, Gloves • Calculate dosages using various drug labels and syringes • Observe set-up and use of the Pharm Assist® pump
2 Pharmacy Practice Chapter 14 Assessment p. 238-239 ASHP Handout Chapter 9 Self-assessment p. 229-232	Parenteral Admixture Services Aseptic Technique, Sterile Compounding and Intravenous Admixture Programs	<ul style="list-style-type: none"> • Prepare an IV order using aseptic procedure in the laminar airflow hood • Observe demonstration of a Spill Kit • Identify products used with cytotoxic drugs
3 Dosage Calculations Chapter 15 and 16 Review Sets 33-46	Intravenous Solutions, Equipment and Calculations Advanced Pediatric Calculations	<ul style="list-style-type: none"> • Calculate pediatric dosages using a Nomogram • Calculate and prepare an IV admixture using “preservative free precautions” for a pediatric order
4 LAB <ul style="list-style-type: none"> • Observe the preparation of a TPN Pool in the laminar airflow hood 	LAB <ul style="list-style-type: none"> • Calculate and set up a pooling field using positive (+) and negative (-) syringe positioning 	LAB <ul style="list-style-type: none"> • VIDEO: BAXTER Automix 3+3® • Observe the preparation of a TPN using the Automix® • Calibrate and program the Automix® using Gravimetrics
5 FINAL REVIEW	WRITTEN FINAL REVIEW	LAB FINAL REVIEW
6 FINAL	WRITTEN FINAL	LAB FINAL

Textbooks:

Pharmacy Practice for Technicians Third Edition, Sr. Jane M. Durgin, Zachary I. Hanan, Delmar
 Dosage Calculations Eighth Edition, Gloria D. Pikar, Delmar Cengage Learning
 American Society of Health System Pharmacists Second Edition, 1998