

## Summary of Course Content

<b>Section</b>	<b>Title</b>	<b>Content</b>
1.	Pre-assessment	Multiple choice test of pre-course knowledge.
2.	Module 1. Blood Basics	Describes the steps involved in the collection, processing, storage and distribution of blood and blood components; also provides an introduction to the “vocabulary” of blood transfusion.
3.	Module 2. Guidelines for transfusion of red blood cells	Describes the appropriate storage, handling, testing and clinical use of red blood cells.
4.	Module 3. Guidelines for Platelets, Plasma and Cryoprecipitate	Describes the appropriate storage, handling, and clinical use of platelets, frozen plasma and cryoprecipitate.
5.	Sections 2 to 4. Assessment	Multiple choice test of knowledge based on the content of modules 1, 2, and 3.
6.	Module 4. Adverse reactions to transfusion (1)	Introduces the risks of and adverse reactions to transfusion, and describes the reactions commonly associated with fever.
7.	Module 5. Adverse reactions to transfusion (2)	Continues the discussion of acute transfusion reactions and discusses those frequently associated with dyspnea, hypotension and allergic phenomena, and also discusses complications of massive transfusion.
8.	Module 6. Adverse reactions to transfusion (3)	Describes the delayed adverse effects of transfusion, delayed hemolytic reactions, post-transfusion purpura, and transfusion transmitted infections other than bacterial sepsis (discussed in module 4).
9.	Sections 6 to 9. Assessment	Multiple choice test of knowledge based on the content of modules 4, 5 and 6.
10.	Module 7. Blood conservation measures (1)	Briefly introduces the range of available measures and begins discussion of those applicable to surgical patients, particularly the use of autologous blood.
11.	Module 8. Blood conservation measures (2)	Continues the discussion of available measures for surgical patients, particularly those using pharmacological agents. Also considers measures for avoidance of transfusion in non-surgical patients
12.	Module 9. Intravenous immunoglobulin and albumin	Discusses the availability, indications and clinical use of these manufactured blood derivatives.
13.	Module 10. Sickle cell disease and transfusion	Discusses the particular requirements of this group of patients for long term transfusion support and for the use of transfusion in the management of complications of sickle cell syndromes.
14.	Sections 7 to 10. Assessment	Multiple choice test of knowledge based on the content of modules 7, 8, 9 and 10.