	Implementation schedule	Physically/ Remotely	Contact hours	Autonomous work for students (max hours)	Learning outcomes
Activity 1 29/06/2026	Introduction to blood-based clinical diagnostics: blood cells, sample collection and laboratory workflow	**Remotely**	**3**	**6**	Understand the main cellular components of blood, their basic physiological roles, and the importance of sample collection and laboratory workflow in clinical diagnostics.
Activity 2 06/07/2026	Biochemical markers and clinical case interpretation: renal and liver function	**Remotely**	**3**	**6**	Understand the use of selected biochemical markers and diagnostic enzymes in renal and liver function assessment through simple clinical cases.
Activity 3 13/07/2026	Blood smear preparation, staining and basic laboratory training	**Physically**	**3**	**6**	Learn basic laboratory safety rules and acquire practical experience in blood smear preparation and staining.
Activity 4 14/07/2026	Microscopic examination of blood smears and morphology interpretation	**Physically**	**3**	**6**	Recognize basic blood cell morphology and understand how microscopic observations may support diagnostic interpretation.
Activity 5 15/07/2026	Manual blood cell counting using Neubauer chamber	**Physically**	**3**	**6**	Perform manual blood cell counting, apply basic calculations, and recognize possible sources of error.
Activity 6 16/07/2026	ABO/Rhesus blood grouping: antigen-antibody reactions and compatibility	**Physically**	**3**	**6**	Understand the principles of ABO/Rhesus blood grouping and apply antigen-antibody reactions to blood grouping and compatibility testing.
Activity 7 17/07/2026	Diagnostic case study and laboratory data analysis	**Physically**	**3**	**6**	Analyse selected diagnostic case studies and laboratory datasets, connecting blood smear observations, cell-counting calculations, biochemical markers, and blood group interpretation.

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Activity 8 (mandatory) 24/07/2026	Presentation of assignment	**Remotely**	**2**	**8**	Final Assessment
Total Hours			**23**	**50**	**73**

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