Schedule
Weekly Topics (Content)

Week	**Topics**
1. week	Course description, aim, importance. Structure, function and classification of adhesion molecules.
2. week	Adhesion molecules of the immunoglobulin super family: ICAM-1, ICAM-2, PECAM-1 (CD 31), VCAM-1, NCAMs.
3. week	Integrins: LFA-1, CR3, CR4.
4. week	Selectins: E-Selectin (CD62 E), L-Selectin (CD62 L), P-Selectin (CD62 P).
5. week	Mucin-like adhesion molecules, Kaderins (Calcium-dependent adhesion molecules): E-cadherin, P-cadherin, N-cadherin, V-kaderin.
6. week	Immunoadhesins and adhesion receptors of the immune system.
7. week	Heterophilic and homophilic interactions between adhesion molecules and ligands.
8. week	Wound healing, leukocyte migration and inflammatory adhesion molecules.
9. week	The molecular mechanism of leukocyte migration.
10. week	Dysfunction of leukocyte adhesion, control of leukocyte adhesion.
11. week	Signal transduction and adhesion molecules, Formation of focal adhesion zones and control of growth
12. week	Adhesion molecules related to cell differentiation.
13. week	Cancer and adhesion molecules.
14. week	Control of cell adhesion