**Lecture Learning Outcomes and Objectives**

**Week 10: LYMPH TRANSPORT AND IMMUNITY**

*Given 2 hours of discussion and assigned reading on the subject, upon an examination and within 70% accuracy, the student should be able to:*

**The Lymphatic System**

1. Be able to describe immune defenses in other organisms
2. Discuss four functions of the lymphatic system.

**Nonspecific Defense Against Disease**

1. Group the first responders into four categories and describe each category.
2. Discuss how a fever could be part of the body's first and second lines of defense.
3. Describe the inflammatory response in terms of four events.

**Specific Defense Against Disease**

1. Distinguish between a foreign antigen and a self-antigen.
2. Describe the role of B cells and antibody-mediated immunity.
3. Distinguish between active and passive immunity.
4. Describe the role to T cells and cell-mediated immunity.

**Immunity Side Effects**

1. Name several autoimmune diseases, and tell the symptoms of each.
2. Distinguish between immunodeficiencies and hypersensitivities.
3. Understand the terms: Sentinel cell, PAMP, PRR, B cell, complement system, cytokine, inflammation, innate immunity, phagocyte, perforin, adaptive immunity, antigen, antibody, immunoglobulin, APC, autoimmune, clonal selection, cytotoxic, epitope, humoral, lymph, memory cell, plasma cell, passive immunity, allergy, autoimmunity.