Please note that the format of the objectives for the 4th Unit are different. There are no definitions but lots of information that you have to learn. Don’t wait till the last minute to study. Study before the presentation of each chapter and after. Essay questions will be taken from the major categories. Compare and Contrast questions are my favorite here. (ex. Compare and Contrast the diseases caused by \textit{S. pyogenes} and \textit{S. pneumoniae})

At the completion of chapter 21, infections of the respiratory system, the student will know the following characteristics

A. For the major bacterial respiratory infections:
   \begin{itemize}
   \item \textit{Mycobacterium tuberculosis}
   \item \textit{Streptococcus pyogenes}
   \item \textit{Streptococcus pneumoniae}
   \end{itemize}

Causative agent
Mode of transmission
Treatment and prevention
Any special characteristics that are stressed in lecture
*know the disease progression of tuberculosis: primary and secondary

B. For other bacterial respiratory infections
\begin{itemize}
\item \textit{Bordetella pertussis}
\item \textit{Legionella species}
\item \textit{Haemophilus influenzae}
\item \textit{Corynebacterium diphtheriae}
\end{itemize}

Type of infection
Significance

C. For the major viral respiratory infection, influenza

Type of causative agent – type of virus and special characteristics of genome
Type of infection
Mode of transmission
Special characteristics: eight segmented genome, antigenic drift, antigenic shift
Treatment and prevention

D. Other viral infections
“common cold”

E. For the major fungal diseases

\begin{itemize}
\item Histoplasmosis
\item Coccidiomycosis
\item Blastomycosis
\item Pneumocystis
\end{itemize}

Causative agent
Geographical distribution
Mode of transmission
Type of disease
Treatment