```latex
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{lc2005}[2004/11/26 v1.0 UTU LaTeX 2004 Course Style File]
\RequirePackage{ifthen}

% The idea is to declare the most persisting customizations here --
% not on the main .tex document. Moreover, some setting are possible only
% in style files, notably those that modify sectioning.

% The option you can set are:
%
%     center
%     leftmargin
%     rightmargin
%     largemath10
%     indent
%     noindent
%     nodecorations


% Should we indent the section, subsection, etc. texts.
% the default is 'indent'
\newlength{\AP@SectionIndent}

\DeclareOption{indent}{
  \setlength{\AP@SectionIndent}{-16pt}
}

\DeclareOption{noindent}{
  \setlength{\AP@SectionIndent}{0pt}
}

% The default fontset New Century looks better with a bit enlargened set of
% mathematical fonts.
\DeclareOption{largemath10}{
  \DeclareMathSizes{10}   {10.95}{8}    {6}
}

\DeclareOption{center}{
  \addtolength{\textwidth}{2.0cm}
  \addtolength{\hoffset}{-1.0cm}
}

\DeclareOption{leftmargin}{
  \addtolength{\textwidth}{1.0cm}
  \addtolength{\hoffset}{1.0cm}
  \addtolength{\marginparwidth}{1cm}
  \reversemarginpar
}

\DeclareOption{rightmargin}{
  \addtolength{\textwidth}{1.0cm}
  \addtolength{\hoffset}{-1.5cm}
  \addtolength{\marginparwidth}{1cm}
}

% The sectionin command will be redefined:
\renewcommand\section{%
  \vspace{12pt}
  \rule{1\textwidth}{0.25ex}
  \vspace*{-21pt} \\
  \rule{0.25\textwidth}{0.7ex}
  \vspace*{-12pt}
  \@startsection{section}{1}{\AP@SectionIndent}%
  {-3.5ex \@plus -1ex \@minus -.2ex}%
  {2.3ex \@plus.2ex}%
  {\normalfont\Large\bookman\scshape}%
}
\renewcommand\subsection{%
  \@startsection{subsection}{2}{\AP@SectionIndent}%
  {-3.5ex \@plus -1ex \@minus -.2ex}%
  {2.3ex \@plus.2ex}%
  {\normalfont\large\bookman\scshape}%
}

\renewcommand\subsubsection{%
  \@startsection{subsubsection}{3}{\AP@SectionIndent}%
  {-3.5ex \@plus -1ex \@minus -.2ex}%
  {2.3ex \@plus.2ex}%
  {\normalfont\normalsize\bookman\slshape}%
}

\renewcommand\paragraph{%
  \@startsection{paragraph}{4}{\AP@SectionIndent}%
  {-3.5ex \@plus -1ex \@minus -.2ex}%
  {2.3ex \@plus.2ex}%
  {\normalfont\normalsize\bookman}%
}

\renewcommand\subparagraph{%
  \@startsection{subparagraph}{5}{\AP@SectionIndent}%
  {-3.5ex \@plus -1ex \@minus -.2ex}%
  {2.3ex \@plus.2ex}%
  {\normalfont\normalsize\bookman\slshape}%
}

% Sometimes, and especially if \linespread{x} is set to something other that
% unity, we do not want to see the decoration lines over each section

\DeclareOption{nodecorations}{
  \renewcommand\section{%
    \@startsection{section}{1}{\AP@SectionIndent}%
    {-3.5ex \@plus -1ex \@minus -.2ex}%
    {2.3ex \@plus.2ex}%
    {\normalfont\Large\bookman\scshape}%
  }
}

% Default options are processed.
\ExecuteOptions{center,indent}

% Given options are processed, (possibly) overriding the defaults.
\ProcessOptions


% The basic style the document is based on. This can be overriden
% in the document with 'usepackage{<anotherpkg>}'--command. The most
% notable another packages are: helvet, palatino, avantgar, charter, pifont,
% avant, times, bookman, helvetic, palatcm, utopia, concrete, and newcent.
\RequirePackage{newcent}

% The basic AMS-packages are always needed:
% \RequirePackage{mathrsfs,amsfonts,amsmath,amssymb,amsthm}
% but turned off by default, since Maxima-generated TeX doesn't work
% with these.

% The scaling package is less used, but it maybe some day..
% Usage: \scaletowidth{3cm}{<text>}
% \RequirePackage{textfit}

% This changes array environment so that it suits better
```

```
% to matrix manipulation.
\RequirePackage{delarray}                                                                       % EOF

% Marginals and text width
% (Suomen kielessä kappaleen ensimmäistä riviä ei sisennetä).
\setlength{\parindent}{0pt}
\setlength{\parskip}{1.5ex plus 0.5ex minus 0.5ex}
%\pagestyle{myheadings} \markright{<whatever>}
\addtolength{\textheight}{2cm}
\addtolength{\voffset}{-1cm}
%\linespread{1.5}
%\sloppy

% Postscript-fonts.
% One can find the the istalled fonts for example by chasing
% *.fd files (font definitions). One example is t1pag.df, if
% T1 encoding is used.
% Example: {\bookman <your text here>}
\newcommand{\avantgar}{\fontfamily{pag}\selectfont}
\newcommand{\bookman}{\fontfamily{pbk}\selectfont}
\newcommand{\courier}{\fontfamily{pcr}\selectfont}
\newcommand{\cmodern}{\fontfamily{cmr}\selectfont}
\newcommand{\helvetic}{\fontfamily{phv}\selectfont}
\newcommand{\newcent}{\fontfamily{pnc}\selectfont}
\newcommand{\tmroman}{\fontfamily{ptm}\selectfont}
\newcommand{\utopia}{\fontfamily{put}\selectfont}
\newcommand{\script}{\fontfamily{pzc}\selectfont}

% The section numbering should contain all the 5 first.
\setcounter{secnumdepth}{5}

% But only 4 first will be listed in table of contents
\setcounter{tocdepth}{4}

% Some command to place graphics around in a normal document
\newcounter{fig_counter}[section]
%
% This picture goes to marginal
\newcommand{\mfig}[3][0.9]{
\marginpar{ \small
%\rule{\marginparwidth}{0.2ex}
\parbox{\marginparwidth}{\hfill
\includegraphics[width=#1\marginparwidth]{#2}
\hfill \rule{0pt}{0pt}}
\rule{0pt}{4pt}\\
\refstepcounter{fig_counter}
\textit{Kuva~\arabic{fig_counter}}
\hrulefill
\vspace{1ex}
\newline \raggedright
#3}}
%

% Margin notes
\newcommand{\mnote}[1]{\marginpar{ \raggedright \small #1 }}

% A possibility to box parts of text
\newlength{\boxedtextwidth}
\newcommand{\important}[1]{
  \setlength{\boxedtextwidth}{\textwidth}
  \addtolength{\boxedtextwidth}{-2\fboxsep}
  \addtolength{\boxedtextwidth}{-2\fboxrule}
  \fbox{%
    \begin{minipage}{\boxedtextwidth}
      #1
\end{minipage}}}
```