

# Instructions for Using UCThesis with L<sup>A</sup>T<sub>E</sub>X

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## 1 Download

1. Download L<sup>A</sup>T<sub>E</sub>X from <http://www.lyx.org>
2. Download the latest version of UCThesisForLyx.

## 2 Windows Installation

### 2.1 Install L<sup>A</sup>T<sub>E</sub>X

1. Start the L<sup>A</sup>T<sub>E</sub>X installation and follow the prompts. Unless it is absolutely necessary use the installation defaults.
2. You will be prompted to install MiK<sub>T</sub>E<sub>X</sub>. If you have already MiK<sub>T</sub>E<sub>X</sub> installed, select the installation directory. If not L<sup>A</sup>T<sub>E</sub>X can download the program and automatically install it for you. Do NOT select 'Install without a L<sup>A</sup>T<sub>E</sub>X typesetting system.'
3. The L<sup>A</sup>T<sub>E</sub>X installation will download and install the necessary aspell dictionaries and MiK<sub>T</sub>E<sub>X</sub>.
4. Note that L<sup>A</sup>T<sub>E</sub>X may require additional packages be downloaded. If prompted, select Ok to allow these downloads.

### 2.2 Install UCThesisForLyx

1. Unpack the zip file. It will contain two folders, the configuration files in *..\Configuration Files* and an example thesis in *..\example*
2. Add L<sup>A</sup>T<sub>E</sub>X class files to MiK<sub>T</sub>E<sub>X</sub>.
  - (a) Copy the *ucthesisLyx* folder to the MiK<sub>T</sub>E<sub>X</sub> program directory *..\MiK<sub>T</sub>E<sub>X</sub> x.x\tex\latex* where *x.x* is the MiK<sub>T</sub>E<sub>X</sub> version installed.
  - (b) Copy the *ucthesisBibStyle* folder to the MiK<sub>T</sub>E<sub>X</sub> program directory *..\MiK<sub>T</sub>E<sub>X</sub> x.x\bibtex\bst* where *x.x* is the MiK<sub>T</sub>E<sub>X</sub> version installed.
  - (c) Open the MiK<sub>T</sub>E<sub>X</sub> Settings (Admin) Manager located at *Start>Programs>MiK<sub>T</sub>E<sub>X</sub> x.x>Maintenance (Admin)*. Under the General Tab select Refresh FNDB. This will add the *ucthesisLyx* folders to MiK<sub>T</sub>E<sub>X</sub>.
3. Add the *ucthesisLyx.layout* file to L<sup>A</sup>T<sub>E</sub>X.
  - (a) Copy *ucthesisLyx.layout* to the L<sup>A</sup>T<sub>E</sub>X layouts folder *..\LYX20\Resources\layouts*
  - (b) Open L<sup>A</sup>T<sub>E</sub>X
  - (c) Reconfigure the application by selecting *Tools > Reconfigure*
  - (d) Restart L<sup>A</sup>T<sub>E</sub>X
4. Open *Thesis.lyx*. Confirm that the Thesis (University of California Thesis Class) is available as a Document Class by selecting *Document > Settings and selecting Thesis (University of California Thesis Class)* from the drop-down menu.

## 3 Mac OS Installation

### 3.1 Install MacT<sub>E</sub>X

Download and install MacT<sub>E</sub>X available at <http://www.tug.org/mactex/>

### 3.2 Install L<sub>Y</sub>X

Download and install the L<sub>Y</sub>X Mac OS binaries from <http://www.lyx.org>

### 3.3 Install UCThesisForLyx

1. Unpack the zip file. It will contain two folders, the configuration files in *..\Configuration Files* and an example thesis in *..example*
2. Copy the *ucthesisLyx* folder to *~/Library/texmf/tex/latex*
  - (a) Note: In Mac OS Lion the Library folder is hidden by default. It can be accessed by holding down the Option key when clicking the Go menu in Finder- the Library icon will appear as a menu option.
  - (b) Note: If the *~/Library/texmf/tex/latex* directory does not exist, it can be created by entering the following command at terminal **mkdir -p ~/Library/texmf/tex/latex**
3. Copy the *ucthesisBibStyle* folder to *~/Library/texmf/bibtex/bst*
  - (a) Note: If the *~/Library/texmf/bibtex/bst* directory does not exist, it can be created by entering the following command at terminal **mkdir -p ~/Library/texmf/bibtex/bst**
4. Add the *ucthesisLyx.layout* file to L<sub>Y</sub>X.
  - (a) Copy *ucthesisLyx.layout* to */Applications/LyX.app/Contents/Resources/layouts*
  - (b) Open L<sub>Y</sub>X
  - (c) Reconfigure the application by selecting *Tools > Reconfigure*
  - (d) Restart L<sub>Y</sub>X

## 4 Upgrading

1. If you are upgrading from a previous version of UCThesisForLyx, follow the instructions above, replacing the existing files in *ucthesisLyx* and *ucthesisBibStyle* folders with those from the latest version.
2. On Windows
  - (a) Open the MiKTeX Settings Manager located at *Start>Programs>MiKTeX x.x>Maintenance (Admin)*. Under the General Tab select Refresh FNDB.
  - (b) Reconfigure L<sub>Y</sub>X by selecting *Tools > Reconfigure* and restarting
3. On Mac OS
  - (a) Reconfigure L<sub>Y</sub>X by selecting *Tools > Reconfigure* and restarting

## 5 LyX Thesis Options

Three options can be set under the Document > Settings > Documents Settings panel. If not specified the thesis defaults are 12pt, single spaced, with chapter titles having a separate page.

### 1. Font Size

(a) Available Options: *10pt*, *11pt*, or *12pt*

### 2. Line Spacing: Select either single or double spaced lines.

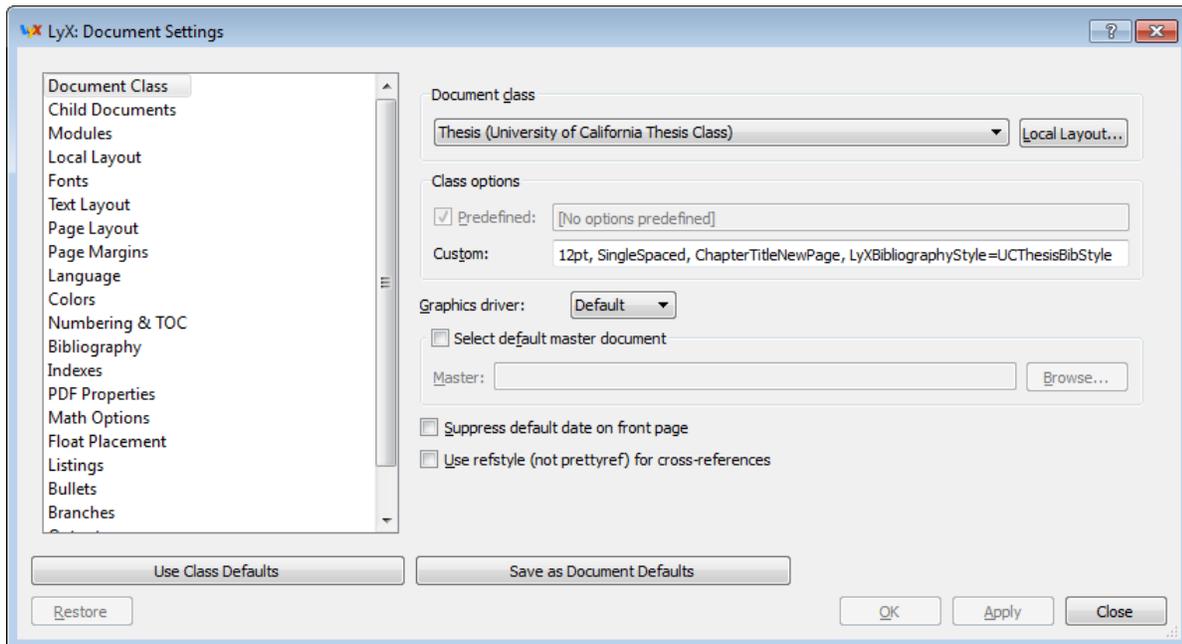
(a) Available Options: *SingleSpaced* or *DoubleSpaced*

### 3. Chapter title: Chapter title appears on separate page from main text

(a) Available Options: *ChapterTitleNewPage* or *ChapterTitleSamePage*

### 4. Bibliography style: Set appearance of citations and presentation of references. The format for setting the style is `LyXBibliographyStyle=[BibliographyStyle]`

(a) Available Options: `[BibliographyStyle]` can be set to any bibliographic style (.bst) file installed on the system. The default is `UCThesisBibStyle`. Other examples include `nature`, `apalike`, `amsalpha`, etc...



## 6 Installation Support

Additional information can be found online at <http://wiki.lyx.org/Layouts/UCThesis> and <http://www.jdreyer.com/projects/LyX/>.

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