


The `muling` class

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Version 0.1 — 2020/11/12

 <https://ctan.org/pkg/muling>

 <https://gitlab.com/niranjanvikastambe/muling>

Abstract

This is a class-file written for the students of the Department of Linguistics, University of Mumbai. It uses the standard layout prescribed by the university, loads some necessary packages for typesetting a thesis in linguistics & adds the declaration needed by the university from the submitter.

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1 Package macros

This package has the following commands. It is recommended to use all of them in the preamble only.

`\subtitle` `\subtitle{<a subtitle>}`

The subtitle is printed exactly under the title on the title page.

`\shorttitle` `\shorttitle{<a short title>}`

The short title is printed on the top right corner of the page with the year of submission.

`\supervisor` `\supervisor{<name of the supervisor>}`

Name of the supervisor is printed on the title-page, in the declaration text & under the name of the supervisor for the signature.

2 Package options

digital This package option is developed for getting a read-only version of the thesis. By default the thesis is formatted as a print-ready document as the per the university requirements. If you want to submit a digital copy of the thesis, use this option.

lof This package option is developed for getting a list of figures after the list of tables. Every thesis might not need a list of figures, therefore it isn't added by default.

3 Example code

Try this sample document.

```
\documentclass[digital,lof]{muling} % Remove 'digital' for a print-version.
\title{Linguistic profile of Konkani}
\author{Niranjan}
\supervisor{Dr.\ Renuka Ozarkar}
\shorttitle{Konkani}
\subtitle{Phonological \& morphological description of the Konkani language}

\begin{document}
\maketitle

\chapter{Test chapter}
\pex
Department of linguistics
\xe
\begin{center}
\begin{forest}
  [NP
  [\head{N}\\\
  Department]
  [PP
  [\head{P}\\\
  of]
  [NP
  [\head{N}\\\
  linguistics]
  ]
  ]
  ]
\end{forest}
\end{center}
\end{document}
```

4 Implementation

```
1 <*class>
2 \ProvidesClass{muling}[2020/11/12 v0.1
3 A class file for the Department of Linguistics,
4 University of Mumbai]
5 \DeclareOption{digital}{\PassOptionsToClass{oneside}{book}}
6 \newif\iflof
7 \DeclareOption{lof}{\loftrue}
8 \ProcessOptions
9 \iflof
10 \def\@printlof{%
11   \thispagestyle{empty}%
12   \phantomsection
13   \addcontentsline{toc}{section}{List of figures}%
14   \listoffigures
15   \clearpage\pagebreak
16 }%
17 \else
18 \let\@printlof\@empty
19 \fi
20 \LoadClass{book}
```

This part of code loads the book class \mathcal{B} provides the option `digital` for typesetting a document with read-only format \mathcal{B} option `lof` for automatically adding list of figures.

```
21 \RequirePackage{hyperref}
22 \hypersetup{
23   colorlinks,
24   linkcolor=red!60!black,
25   citecolor=green!60!black,
26   urlcolor=blue!60!black
27 }
28 \RequirePackage[backend=biber,style=apa]{biblatex}
29 \RequirePackage[linguistics]{forest}
30 \RequirePackage{tipa}
31 \RequirePackage{leipzig}
32 \RequirePackage{expex}
33 \RequirePackage{ling-macros}
```

This part of code loads some other essential packages for typesetting documents with linguistic content.

```
34 \makeatletter
35 \let\@supervisor\@empty
36 \def\supervisor#1{%
37   \def\@supervisor{#1}%
38 }%
39 \let\@shorttitle\@empty
40 \def\shorttitle#1{%
41   \def\@shorttitle{#1}%
42 }%
43 \let\@subtitle\@empty
44 \def\subtitle#1{%
45   \def\@subtitle{#1}%
46 }%
```

This code enables three additional entries required in the title-page. \mathcal{E} at various other places.

```

47 \RequirePackage{fancyhdr}
48 \pagestyle{fancy}
49 \cfoot{\thepage}
50 \rhead{}
51 \lhead{%
52   \begin{tabular}{l}
53     \@author\\%
54     \textsc{%
55       \footnotesize University of Mumbai%
56     }%
57   \end{tabular}%
58   \hfill
59   \@shorttitle
60 }%

```

This part of code adds the name of the author, the name of the university and a short-title with the year of submission at the top right corner of every page. [This](#) answer helped me for developing this code.

```

61 \newlength{\shift}
62 \setlength{\shift}{0.3in}

```

A new length is created for typesetting the title-page at the center of the page like in the article class. [This](#) answer helped me for developing this code.

```

63 \renewcommand{\maketitle}{%
64   \thispagestyle{empty}%
65   \addtolength{\oddsidemargin}{\shift}%
66   \fboxsep3em
67   \noindent\fbbox{%
68     \begin{minipage}
69       [c][\dimexpr\textheight-2\fbboxsep-2\fbboxrule]
70       [c]{\dimexpr\linewidth-2\fbboxsep-2\fbboxrule}
71       \begin{center}
72         \bigskip
73         \hrule
74         \vspace{2ex}
75         \textbf{%
76           {\LARGE \@title}\\%
77           \vspace{0.2cm}%
78           {\textsc\@subtitle}%
79         }
80         \vspace{2ex}
81         \hrule
82         \vfill
83         {\large
84           \textsc{%
85             \@author%
86           }%
87         }\\%
88         \vspace{0.5in}%
89         {\large
90           \textsc{%
91             supervisor : \@supervisor%
92           }%

```

```

93     }\\%
94     \vspace{0.5in}%
95     {\large
96     \textsc{%
97         a dissertation submitted in\\ the partial fulfillment of the
98         requirements for the masters of linguistics%
99     }%
100    }\\%
101    \vspace{0.5in}%
102    \textsc{%
103        department of linguistics\\%
104        university of mumbai, kalina%
105    }\\%
106    \smallskip
107    \bigskip
108    \textsc{\@date}%
109    \end{center}
110    \end{minipage}
111    \makeatother
112    \addtolength{\oddsidemargin}{-\shift}
113 }
114 \clearpage\pagebreak
115 \thispagestyle{empty}
116 \tableofcontents
117 \clearpage\pagebreak
118 \thispagestyle{empty}
119 \phantomsection
120 \addcontentsline{toc}{section}{Abbreviations}
121 \printglossary
122 \clearpage\pagebreak
123 \thispagestyle{empty}
124 \phantomsection
125 \addcontentsline{toc}{section}{List of tables}
126 \listoftables
127 \clearpage\pagebreak
128 \thispagestyle{empty}
129 \phantomsection
130 \begin{center}
131     \texttt{%
132         \LARGE
133         \textsc{%
134             declaration%
135         }%
136     }%
137 \end{center}
138 \bigskip
139 \texttt{%
140     As required by the University Regulation No: R. 1972 I wish to state that the
141     work embodied in this thesis titled \@title{} : \@subtitle{} forms my own
142     contribution to the research work carried out under the guidance of
143     \@supervisor{} at the University of Mumbai.\\
144     \indent This work has not been submitted for any other degree of this or any
145     other university. Whenever references have been made to previous works of
146     others, it has been clearly indicated as such and included in the

```

```

147 bibliography.\\
148 \bigskip
149 \texttt{%
150   \flushright{%
151     Date : \@date\\
152     \vspace{0.5in}
153   }%
154   Signature of the candidate :\\
155   \hfill Name : \@author
156 }\\%
157 \bigskip
158 \flushleft{%
159   Certified by -\\
160   \vspace{0.5in}
161   Signature of the guide :\\
162   Name : \@supervisor
163 }%
164 }%
165 }%

```

This code typesets a customized title-page, adds a table of contents, list of tables¹ and the declaration text with all the details filled & some blank space left for the signature.

```
166 </class>
```

¹Having a list of figures is optional as seen earlier.