


The muling class

निरंजन

Version 0.3 —2021/12/16

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

 <https://puszcza.gnu.org.ua/bugs/?group=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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L^AT_EX package datestamp

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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.

<hr/> <code>\subtitle</code> <hr/>	<code>\subtitle{<i>a subtitle</i>}</code> The subtitle is printed exactly under the title on the title page.
<hr/> <code>\shorttitle</code> <hr/>	<code>\shorttitle{<i>a short title</i>}</code> The short title is printed on the top right corner of the page with the year of submission.
<hr/> <code>\supervisor</code> <hr/>	<code>\supervisor{<i>name of the supervisor</i>}</code> Name of the supervisor is printed on the title-page, in the declaration text <i>ℰ</i> under the name of the supervisor for the signature.

2 Package options

<hr/> <code>digital</code> <hr/>	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.
<hr/> <code>lof</code> <hr/>	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}
\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}[2021/12/08 v0.3
3 Department of Linguistics, University of Mumbai]
4 \DeclareOption{digital}{\PassOptionsToClass{oneside}{book}}
5 \newif\iflof
6 \DeclareOption{lof}{\loftrue}
7 \ProcessOptions
8 \iflof
9 \def\@printlof{%
10  \thispagestyle{empty}%
11  \phantomsection
12  \addcontentsline{toc}{section}{List of figures}%
13  \listoffigures
14  \clearpage\pagebreak
15  }%
16 \else
17 \let\@printlof\@empty
18 \fi
19 \LoadClass{book}

```

This part of code loads the book class \mathcal{E} provides the option `digital` for typesetting a document with read-only format \mathcal{E} option `lof` for automatically adding list of figures. [Phelype's answer](#) helped me for developing this code.

```

20 \makeatletter
21 \let\@supervisor\@empty
22 \def\supervisor#1{%
23  \def\@supervisor{#1}%
24  }
25 \let\@shorttitle\@empty
26 \def\shorttitle#1{%
27  \def\@shorttitle{#1}%
28  }

```

```

29 \let\@subtitle\@empty
30 \def\subtitle#1{%
31   \def\@subtitle{#1}%
32 }

```

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

```

33 \RequirePackage[backend=biber,style=apa]{biblatex}
34 \RequirePackage[linguistics]{forest}
35 \RequirePackage{tipa}
36 \RequirePackage{leipzig}
37 \RequirePackage{expex}
38 \RequirePackage{fancyhdr}
39 \pagestyle{fancy}
40 \cfoot{\thepage}
41 \rhead{}
42 \lhead{%
43   \begin{tabular}{l}%
44     \@author\%
45     \textsc{%
46       \footnotesize University of Mumbai%
47     }%
48   \end{tabular}%
49   \hfill
50   \@shorttitle, \the\year
51 }%
52 \RequirePackage{ling-macros}
53 \AtBeginDocument{%
54   \RequirePackage{hyperref}%
55   \hypersetup{%
56     colorlinks,%
57     linkcolor=red!60!black,%
58     citecolor=green!60!black,%
59     urlcolor=blue!60!black%
60   }%
61 }

```

This part of code loads some other essential packages for typesetting documents with linguistic content \mathcal{E} 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.

```

62 \newlength{\shift}
63 \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.

```

64 \renewcommand{\maketitle}{%
65   \thispagestyle{empty}%
66   \addtolength{\oddsidemargin}{\shift}%
67   \fboxsep3em
68   \noindent\fbox{%
69     \begin{minipage}%
70       [c][\dimexpr\textheight-2\fboxsep-2\fboxrule]%
71       [c]{\dimexpr\linewidth-2\fboxsep-2\fboxrule}%
72     \begin{center}%
73       \bigskip

```

```

74     \hrule
75     \vspace{2ex}%
76     \textbf{%
77         {\LARGE \@title}\%
78         \vspace{0.2cm}%
79         {\textsc\@subtitle}%
80     }%
81     \vspace{2ex}%
82     \hrule
83     \vfill
84     {%
85         \large
86         \textsc{%
87             \@author
88         }%
89     }\\%
90     \vspace{0.5in}%
91     {%
92         \large
93         \textsc{%
94             supervisor : \@supervisor
95         }%
96     }\\%
97     \vspace{0.5in}%
98     {%
99         \large
100        \textsc{%
101            a dissertation submitted in\\ the partial
102            fulfillment of the requirements for the masters
103            of linguistics%
104        }%
105    }\\%
106    \vspace{0.5in}%
107    \textsc{%
108        department of linguistics\\
109        university of mumbai, kalina%
110    }\\%
111    \smallskip
112    \bigskip
113    \textsc{\@date}%
114    \end{center}%
115    \end{minipage}%
116    \makeatother
117    \addtolength{\oddsidemargin}{-\shift}%
118 }
119 \clearpage\pagebreak
120 \thispagestyle{empty}%
121 \tableofcontents
122 \clearpage\pagebreak
123 \thispagestyle{empty}%
124 \phantomsection
125 \addcontentsline{toc}{section}{Abbreviations}%
126 \printglossary
127 \clearpage\pagebreak

```

```

128 \thispagestyle{empty}%
129 \phantomsection
130 \addcontentsline{toc}{section}{List of tables}%
131 \listoftables
132 \clearpage\pagebreak
133 \thispagestyle{empty}%
134 \phantomsection
135 \begin{center}%
136   \texttt{%
137     \LARGE
138     \textsc{%
139       declaration%
140     }%
141   }%
142 \end{center}%
143 \bigskip
144 \texttt{%
145   As required by the University Regulation No: R. 1972 I
146   wish to state that the work embodied in this thesis
147   titled \@title{} : \@subtitle{} forms my own
148   contribution to the research work carried out under the
149   guidance of \@supervisor{} at the University of
150   Mumbai.\
151   \indent This work has not been submitted for any other
152   degree of this or any other university. Whenever
153   references have been made to previous works of others,
154   it has been clearly indicated as such and included in
155   the bibliography.\
156   \bigskip
157   \texttt{%
158     \flushright{%
159       Date : \@date\
160       \vspace{0.5in}%
161     }%
162     Signature of the candidate :\
163     \hfill Name : \@author
164   }\
165   \bigskip
166   \flushleft{%
167     Certified by -\
168     \vspace{0.5in}%
169     Signature of the guide :\
170     Name : \@supervisor
171   }%
172 }%
173 }

```

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.

```
174 </class>
```

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

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Version 1.3, 3 November 2008

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