

```

1 \documentclass[parskip,11pt,a4paper]{scrartcl}
2
3 \usepackage[utf8]{inputenc}
4 \usepackage{fontenc}
5 \usepackage{graphicx,hyperref,latexsym,dcolumn}
6 \usepackage{mathbbol,amssymb,amstext,amsmath}
7 %\usepackage{upgreek} % griechische Buchstaben gerade
8 %\usepackage{pdfpages}
9 \pagenumbering{arabic}
10 \usepackage{fancyhdr}
11 \pagestyle{fancy}
12 \usepackage{textcomp} % Anfuhrungszeichen
13
14 % page size
15 \setlength{\textheight}{24cm}
16 \setlength{\topmargin}{-1cm}
17 % \setlength{\textwidth}{15cm}
18 % \setlength{\headsep}{1cm}
19
20 %
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28 %
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31 %
32
33
34
35 \lhead{Short title}
36 \rhead{Name}
37
38
39 \newcommand{\bacc}{Projektpraktikum}
40 %\newcommand{\bacc}{Bachelorarbeit}
41
42 \begin{document}
43
44 \begin{titlepage}
45 \begin{figure}
46 %\includegraphics[width=2.cm]{logo-itp.png} \hfill
47 %\includegraphics[width=2.5cm]{logo_tug_en.jpg} \par
48 \includegraphics[width=3.cm]{logo-itp} \hfill
49 \includegraphics[width=3.5cm]{logo-TU-Graz} \par
50 \hrulefill
51 \end{figure}
52
53 \begin{center}
54 {\huge\sc \bacc} \\ Institut f"ur Theoretische Physik \\
55 Computational Physics\\
56
57 \vspace{5cm}
58 {\huge\sc Title \newline \newline title second line} \par
59 Advisor: \\ Name of advisor \\
60 \vspace{5cm}
61
62 {\Large\sc Name}
63
64 {Mat.Nr. xxxxxx}
65
66 \vspace{3cm}
67 Sommersemester 2010
68 \end{center}
69 \end{titlepage}

```

70
71 `\tableofcontents`
72 `\newpage`
73
74 `\section*{Abstract}`
75
76 In the abstract the candidate should give an overview of the topic she
77 or he has been dealing with, with particular emphasis on what
78 concretely she or he has been doing. A reader should be able to
79 understand from here the amount of work that has been done.
80
81 `\section{Motivation}`
82
83 `\section{Introduction}`
84
85 The introduction should be the chapter in which the background of the
86 work carried out in the thesis is explained to non experts (physical
87 aspects, method used, and so on).
88
89 However, in order to reduce the amount of work for the Bachelor thesis, the introduction
90 should be kept as short as possible (the Bachelor thesis is not a
91 Master thesis), concretely, this means that about one page is enough.
92
93 For this reason, the introduction should consist of short sentences
94 with references (such as articles, books, etc.)
95 in which the reader can find the background material
96 needed to understand the rest of the thesis.
97
98
99
100
101
102
103
104 If needed, one can split up the introduction in several (short)
105 sections such as the following one.
106
107
108
109 `\subsection{Methods}`
110
111
112 `\section{Calculations and Results}`
113
114 Chapters following the Introduction should contain only the work carried out by the
115 candidate
116 (calculations, results, conclusions)
117
118
119 `\section{Conclusions}`
120
121
122 In general 20 pages should be enough for a bachelor thesis. If the
123 candidate wants to write more she or he is free to do so. 20 Pages
124 serves as an orientative number.
125
126 `\subsection*{Presentation}`
127 The Bachelor thesis also consists in a short presentation
128 of the work carried out. The presentations
129 should be structured in a way which is understandable to other
130 colleague students who are not expert in the subject.
131
132 Orientatively the presentation should last about 30
133 min. However, the candidate is not bound to this time.
134
135 `\subsection*{Duration}`
136
137 It should be taken into account that the Bachelorarbeit consists of 6
138 ECTS. Accordingly, the total amount of work (effective work, writing

139 down the thesis, and preparation of the presentation) should take
140 about $25 \times 6 = 150$ hours of work, which means about 5 weeks with a
141 workload of 30 hours/week, assuming that the student does not have to
142 work for other exams.

143
144 We stress that this workload is only indicative in order to avoid that
145 too much work is invested in carrying out the Bachelor thesis. As
146 Bachelor work advisors we are not going to set a deadline for
147 the conclusion of the work.

148
149 Of course, interested students may be tempted to spend a lot of time
150 in dealing with an interesting topic of modern research. However, in the
151 interest of a quick conclusion of their studies, they should not spend
152 too much time in the Bachelor work.

153
154
155

156 `\section{Bibliography}`

157
158 One goal of the Bachelor thesis is to learn how to correctly cite a source.
159

160
161
162

163 `\end{document}`

164