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Informationen für Elektrotechniker

Fachschaft Elektrotechnik
und Informationstechnik
der Universität Stuttgart
Wintersemester 2022/2023



Information about the Master's degree
Electrical Engineering

Dear fellow students,

you gained a lot of fundamental knowledge during your undergraduate studies which will now be supplemented by further specialization.

This ife can be seen as a small overview that might help you to take the first steps in your graduate studies. If you'd like to have more hints, experiences or insights don't hesitate to contact us directly. You can either visit our office at building V47 near the women's restroom or simply write an email to info@ei.faveve.uni-stuttgart.de.

At the beginning of your studies at the university of Stuttgart it is possible to choose out of six different subject areas, so called "Studienschwerpunkte" (specializations), which define your further lectures. But don't worry, your "Studienschwerpunkt" will not be set until your first exam registration during the registration period, which will probably start in May. This gives you the chance to visit as many lectures as you like to discover your preferences. Choose carefully, because it cannot be changed again once you locked in your first exam.

The whole course of study is based on credit points (CP) to be achieved, similar to your undergraduate studies. Every credit point represents a 30 hours workload, and you have to collect a total of 120 CP in order to achieve your 'M.Sc.'. If you follow the recommendation of the examination regulations by achieving 30 CP every term you will receive your degree after 4 semesters. If you decide to do a semester abroad or write your Research Thesis at a company, you will probably require a little longer. This doesn't matter, as long as you finish your studies within 8 semesters – after that you will be exmatriculated.

The 120 CP are made up of the following categories:

- 36 CP Core Modules
- 30 CP Supplementary Modules
- 9 CP Key Competences and Lab Course
- 15 CP Research Project
- 30 CP Master Thesis
- Additional Modules (optional)

Core Modules: There is a catalog for every specialization containing several core modules à 6 CP, out of which you need to choose the 6 most interesting. Altogether you achieve 36 CP.

Supplementary Modules: You can choose the supplementary modules out of a catalog as well. All in all you get 30 CP. Out of these you can choose up to 2 Modules with maximum 12 CP from our Bachelors degree, if you haven't already taken them in your own undergraduate studies. Another option is to get up to 12 CP from other modules offered by different faculties. In this case you have to submit an application at the examining board. You can find a listing of possible lectures via the C@MPUS-system.

Key Competences and Lab Course: Examination regulations propose a lab course during the second term of your graduate studies at one of the institutes of the Department of Electrical Engineering and Information Technology. You can find further information at their homepages or at C@MPUS. Additionally you have to get 3 CP via non-technical Key Competences such as language courses or workshops regarding cultural competence.

Research Project: In your third semester you are supposed to focus on your research project, which will require a workload of approximately 450 hours based on 15 CP. You have to finish the project within 6 months or less. This project is basically a bigger experimental or theoretical work and deals with a topic of your choice which has to be approved by one of our professors. You are also allowed (and even encouraged) to do the project in cooperation with a company, which requires a bit more organization in advance (4-5 months, if you'd like to go abroad probably more), because you have to write applications etc. Keep in mind: Some companies will only allow you to go abroad if you have worked for them before.

Master Thesis: Last but not least you have to finish your studies at our university by writing your Master Thesis representing 30 CP workload. This is your chance to show that you are able to scientifically solve and adequately present a project or problem concerning electrical engineering within a limited amount of time on your own. Before getting started you must already have passed your research project and also achieved 72 CP. Just as with your research project, you can freely choose your topic, as long as the workload is appropriate and the examining Professor approves. However, your master thesis has to be carried out on one of our institutes and can not be done with a company. A good way to find a topic is to visit our different institutes and look at their black boards or homepages. If there isn't anything that raised your interest you can also talk to our professors directly about your ideas, mostly they are very open-minded about new ideas. To find the right institute or interesting topics in advance you can also ask older grad students, our student association or different employees at the institutes. They know best what they are currently working on, so that they can give you insights on their present work. The most important thing is that you keep within the time limit of 6 months. Otherwise you will be taken off the university register on the finishing straight of your studies and that would be more than annoying.

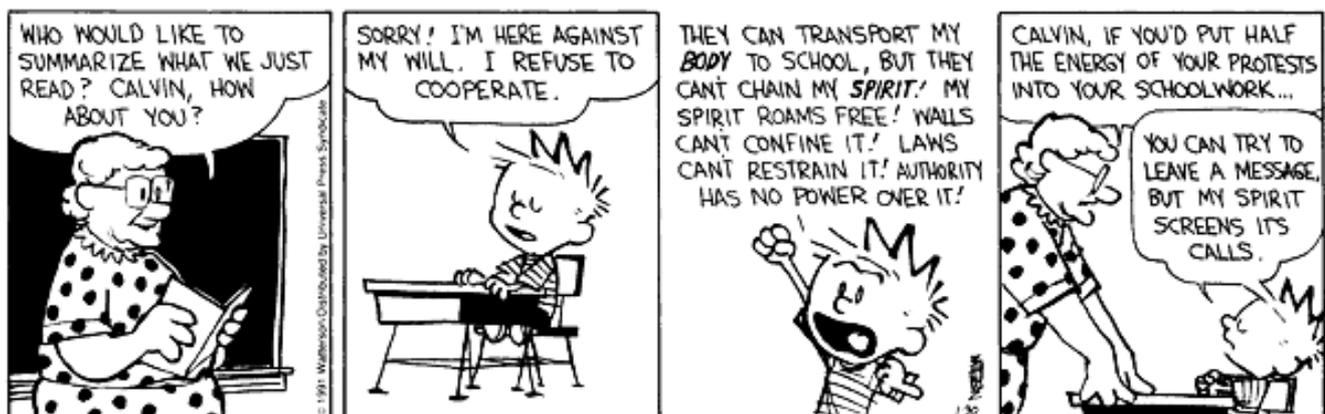
Additional Modules: You are interested in more than electrical engineering stuff but already planned out all your CP? No problem! Your examination regulations lets you take up to 5 additional modules. The grades can be shown in your certificate if you request it but have no influence on your total grade.

Some helpful links to round things off:

- Further information concerning exam regulations:
<https://www.f05.uni-stuttgart.de/en/ei/study-programs/eeng/>
- Sign in your lectures and exams via C@MPUS:
<https://campus.uni-stuttgart.de>
- More information (e.g old timetables, student association, ...) at our homepage:
<http://www.ei.faveve.uni-stuttgart.de>
- Information concerning studying abroad organized by the international center (IZ):
<http://www.ia.uni-stuttgart.de>

All the best for your graduate studies at the University of Stuttgart wishes you the team of the Fachgruppe Elektrotechnik und Informationstechnik.

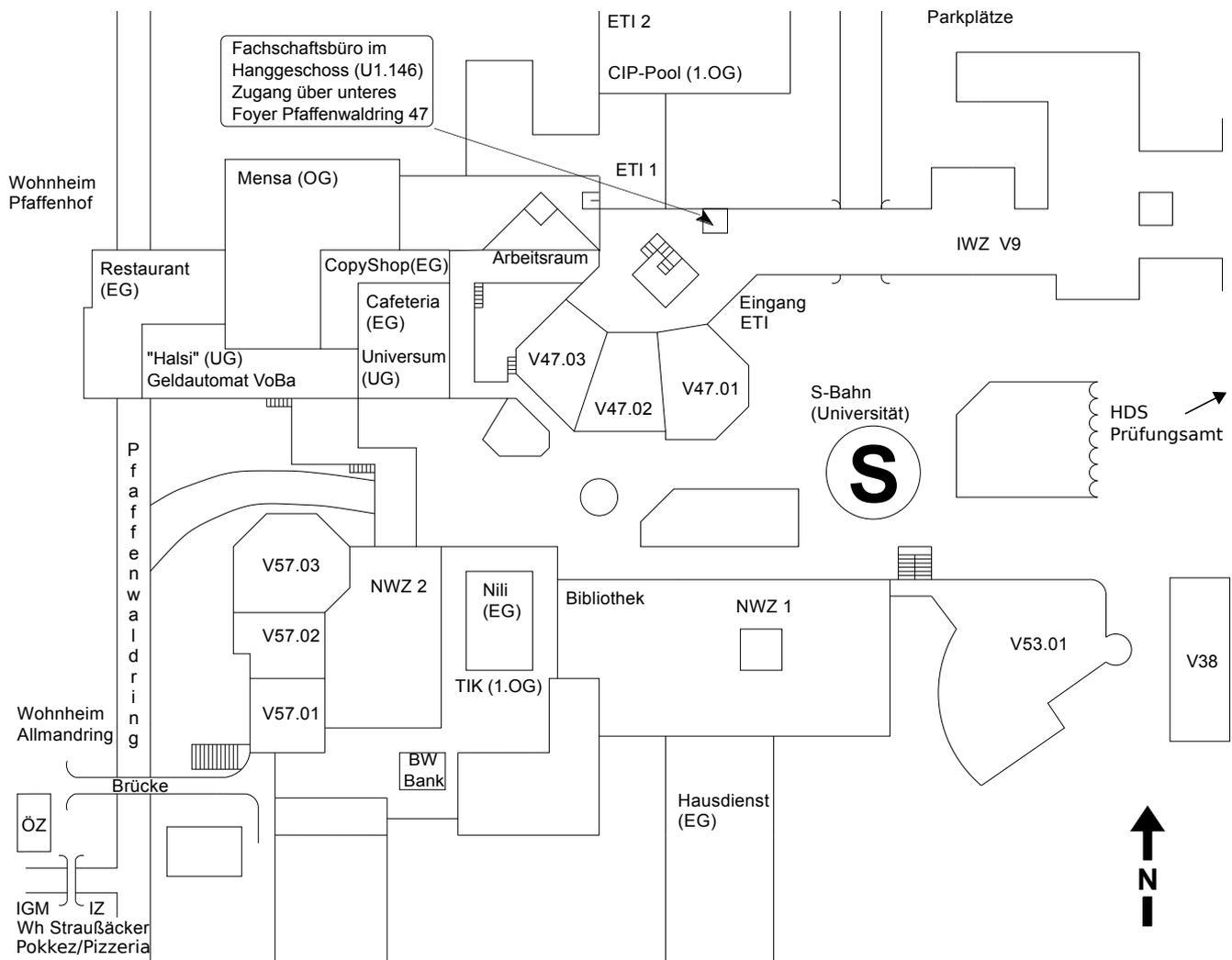
We have compiled this booklet with great care and effort, however we cannot avoid errors 100 percent. You can get binding statements from the examination regulations and our Study Dean!

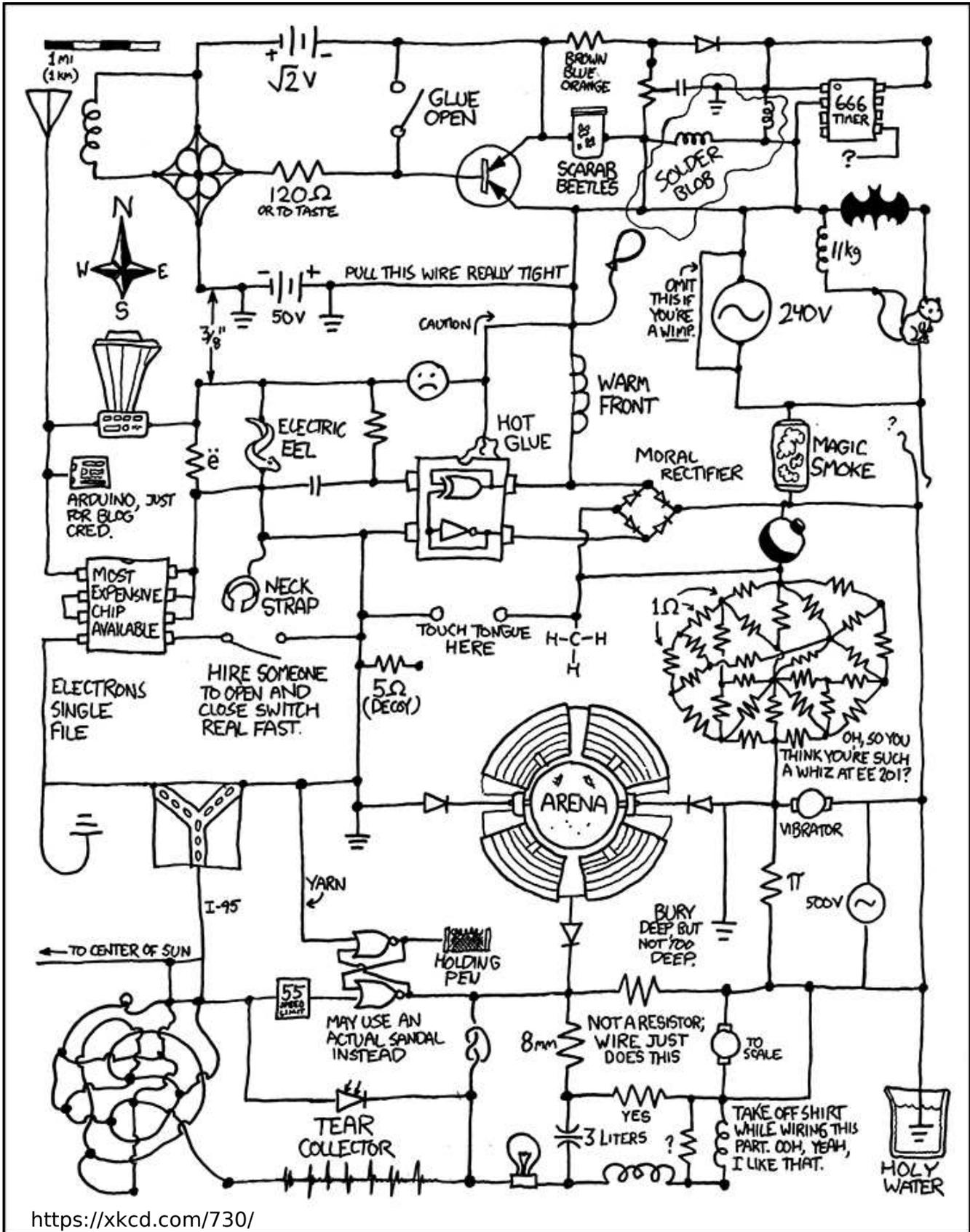


Abbreviations

Abbreviations

AK Arbeitskreis	K I, K II Kollegengebäude I bzw. II (Zwillingshochhäuser Keplerstr. 11 und 17 in Stuttgart Mitte)
AKV Abkürzungsverzeichnis	LP Leistungspunkte
Assi Assistent	Mxx.yz Hörsaal in der Stadtmitte, Gebäude xx, Hörsaalnummer yz im y.Stock
BAföG BundesAusbildungsförderungGesetz	MWK Ministerium für Wissenschaft, Forschung und Kunst
CIP Computerinvestitionsprogramm	MPI Max-Planck-Institut (in Büsnau) einer Bohrinself (siehe "Elektrische Energietechnik 1" (2. Sem.))
CIP-Pool Computerraum für Studierende	Nili Stuvus-Büro "Hellblaues Nilpferd" (Pfaffenwaldring 57, ebenerdig unter dem NWZ2-Hochhaus)
ei Elektrotechnik und Informationstechnik	NT Nachrichtentechnik
el Elektrotechnik	NWZ Naturwissenschaftliches Zentrum (Pfaffenwaldring 55 und 57)
et Elektrotechnik, manchmal auch Energietechnik	ÖZ Ökumenisches Zentrum
EET Elektrische Energietechnik	PO Prüfungsordnung
ETI Elektrotechnische Institute. Alle Institute sind im Pfaffenwaldring 47 (ETI 1 = Altbau, ETI 2 = Neubau), das IGM im Allmandring 3b	RUS = TIK (siehe TIK)
EMV Elektromagnetische Verträglichkeit	S Seminar
FakRat Fakultätsrat	Sem Semester
FaVeVe FachschaftsvertreterInnenVersammlung	SS Sommersemester
FH Fachhochschule	StuKo Studienkommission
FHG Fraunhofergesellschaft	StuPa Studierendenparlament
FS Fachschaft	stuvus Studierendenvertretung der Universität Stuttgart
GdE Grundlagen der Elektrotechnik	SWS Semesterwochenstunden bzw. Studierendenwerk Stuttgart
GÜ Gruppenübungen	TIK = RUS (siehe RUS)
Halsi Wenn jemand am Vaihinger Campus sagt "er gehe zum Halsi", meint er wahrscheinlich den "billigen" Supermarkt unter der Mensa.	Ü Übungen
HdS Haus der Studierenden	V Vorlesung
HiWi Wissenschaftliche Hilfskraft	Vxx.yz Hörsaal in Vaihingen, Gebäude xx, Hörsaalnummer yz im y.Stock
HM Höhere Mathematik	VVS VerkehrsVerbund Stuttgart
ife Information für Elektrotechniker	VÜ Vortragsübungen
Inst. Institut	WS Wintersemester
IWZ Ingenieurwissenschaftliches Zentrum (Pfaffenwaldring 7, 9)	ZFB Zentrales Fachschaftsbüro in der Stadtmitte
IZ Internationales Zentrum	





<https://xkcd.com/730/>

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This booklet wasn't printed out for environmental reasons.