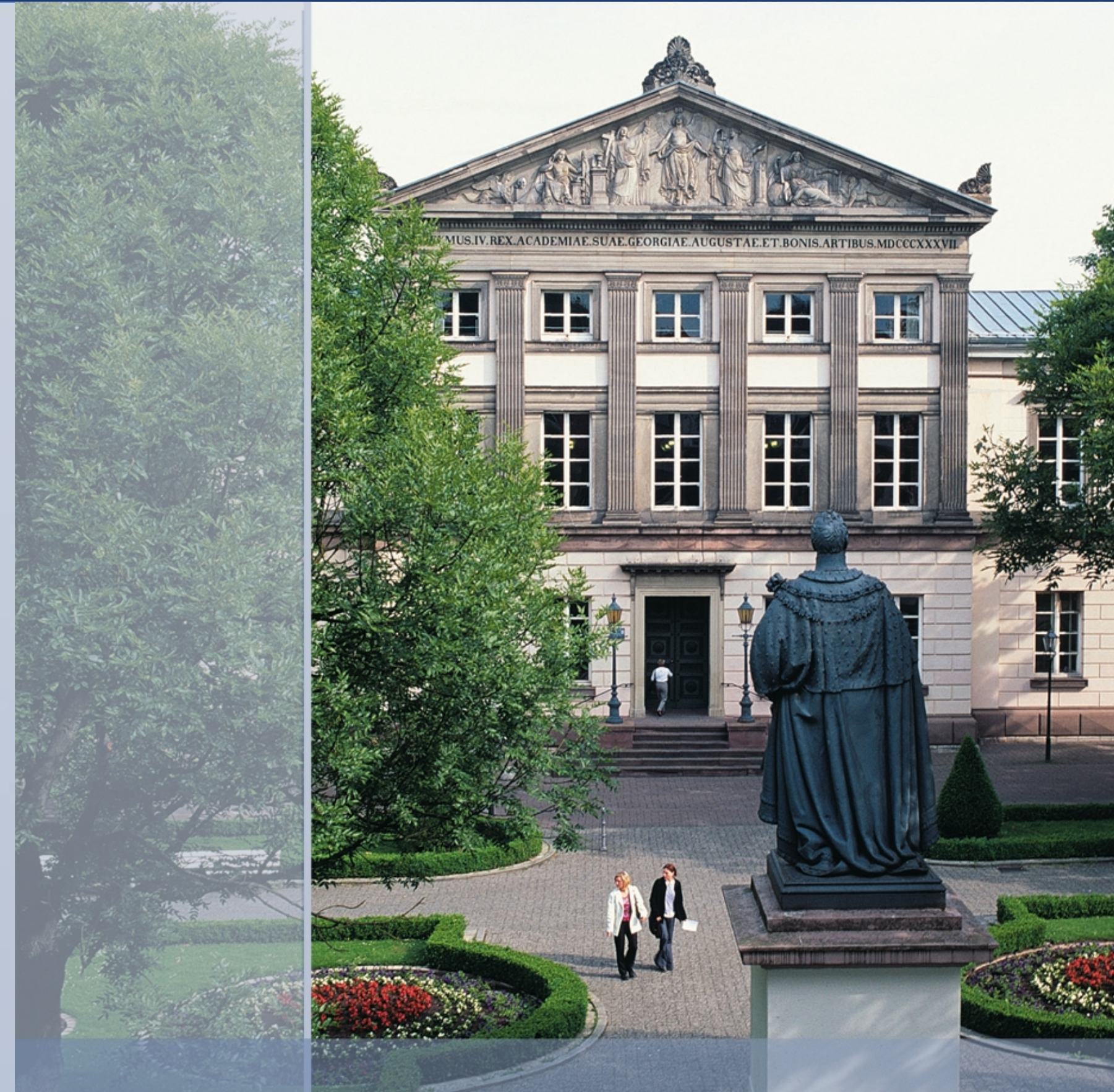




# Georg-August-Universität Göttingen

**Recognition of Studies**

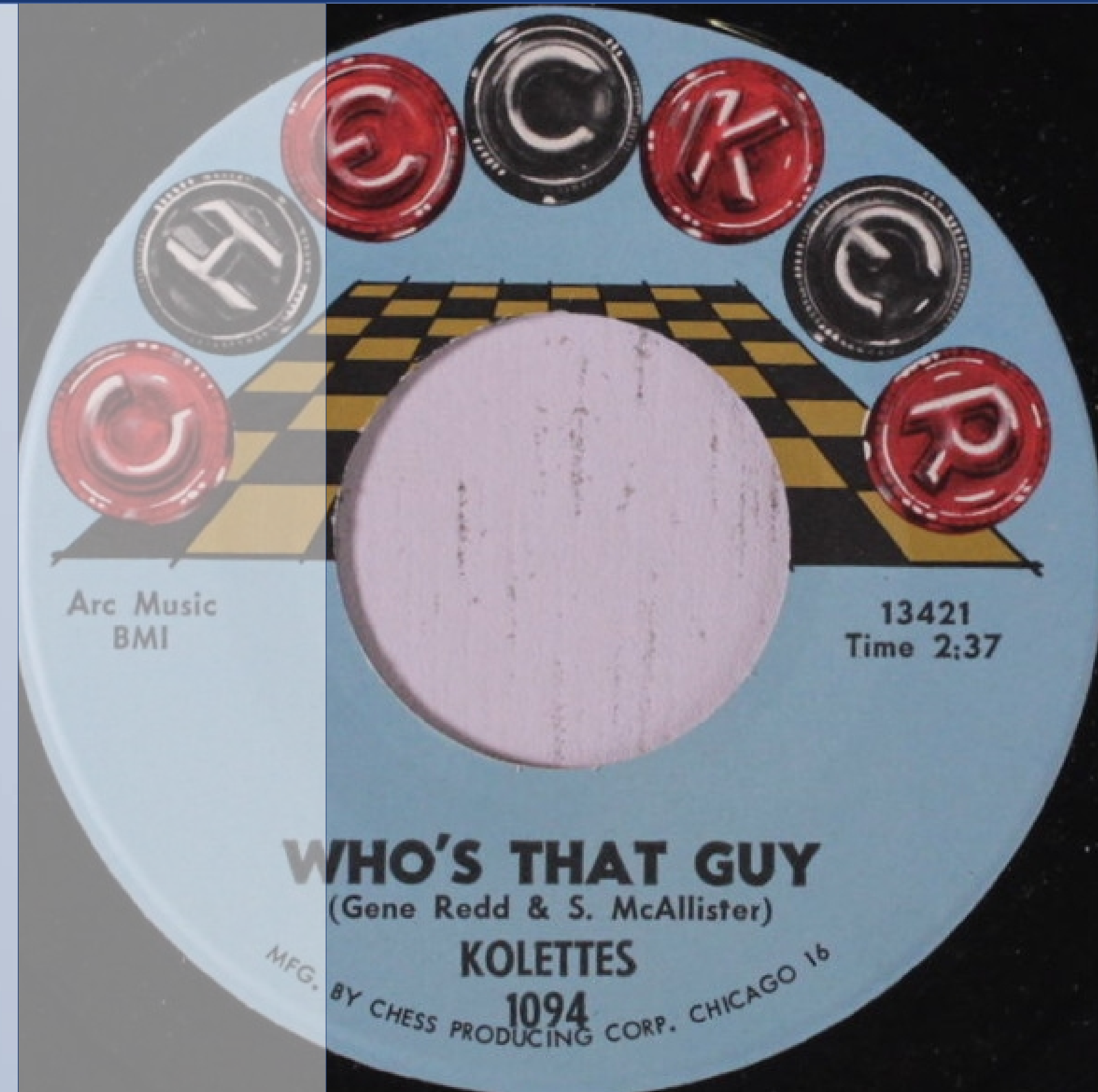
**Hartje Kriete (Study Officer Mathematics)**





Faculty of Mathematics and Computer Sciences

Hartje Kriete (Study Officer Mathematics)

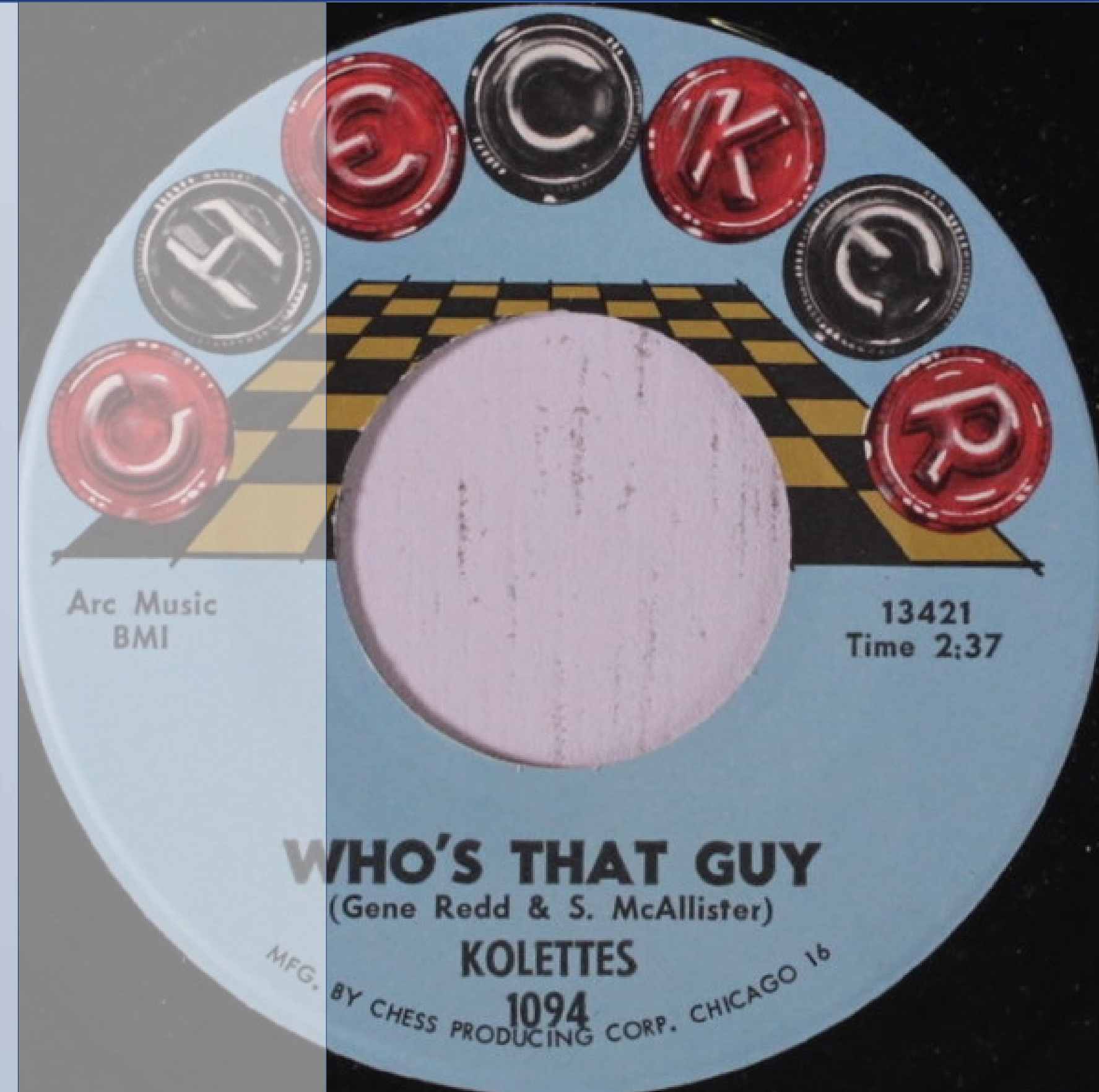


## Study Office (Mathematics)

is a staff section directly reporting to the Dean of Studies (Mathematics).

Tasks are,

- firstly, whatever the dean of studies is responsible for and,
- secondly, much, much more.



**Study Officer (Mathematics)**

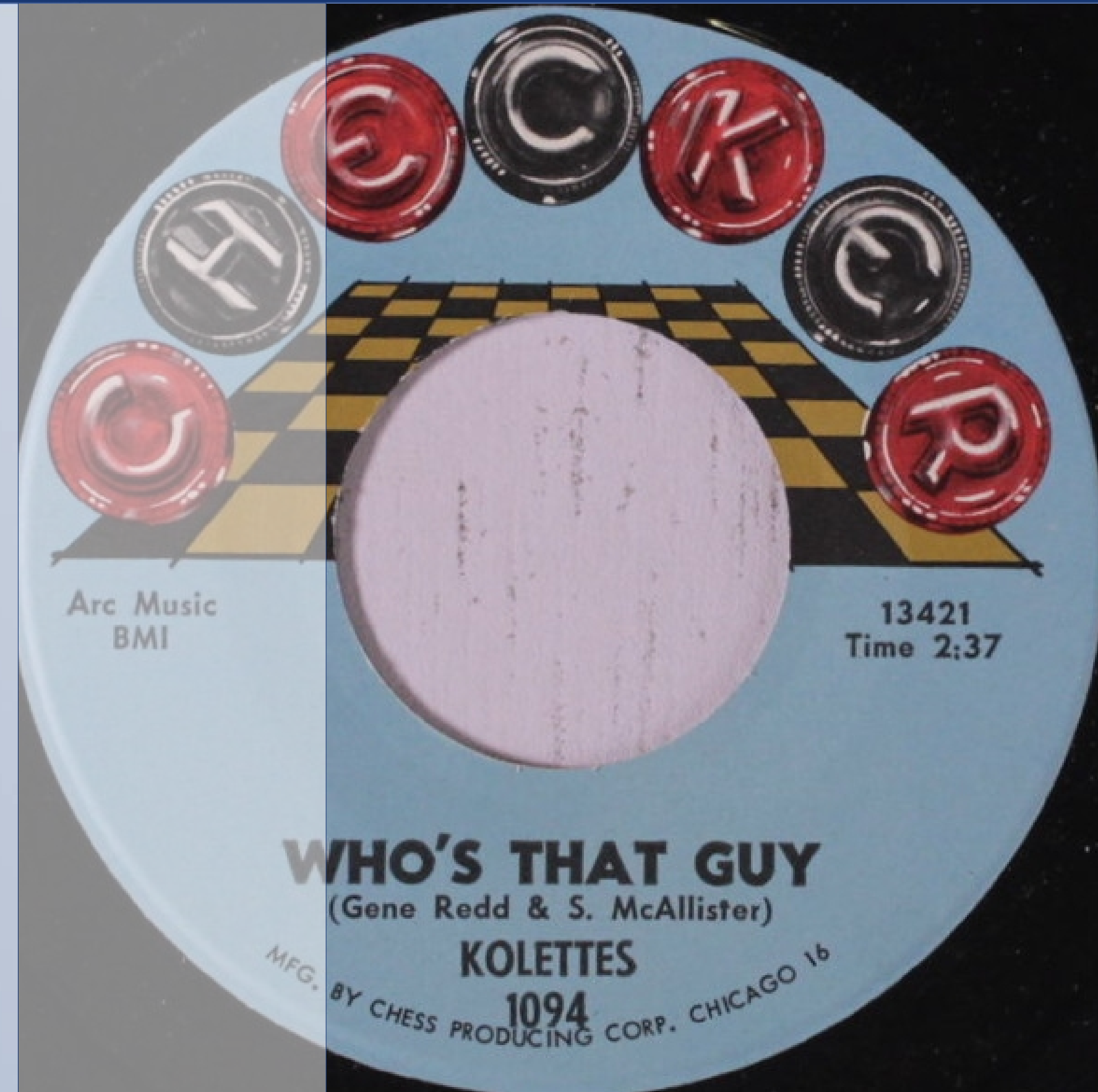
© Dept'l Erasmus Co-Ordinator (since 1998)

© Guidance and counselling of foreign students

© Academic recognition

© Quality management

© ...





## Department of Mathematics

© Long history and tradition

© Particular strenght in

- research and
- internationalisation





## Department of Mathematics

© Long history and tradition

© Particular strenght in

- research and
- internationalisation

© [www.topuniversities.com](http://www.topuniversities.com) (to be launched 04 March 2020)

- domestic rank 10
- Global rank 101-150

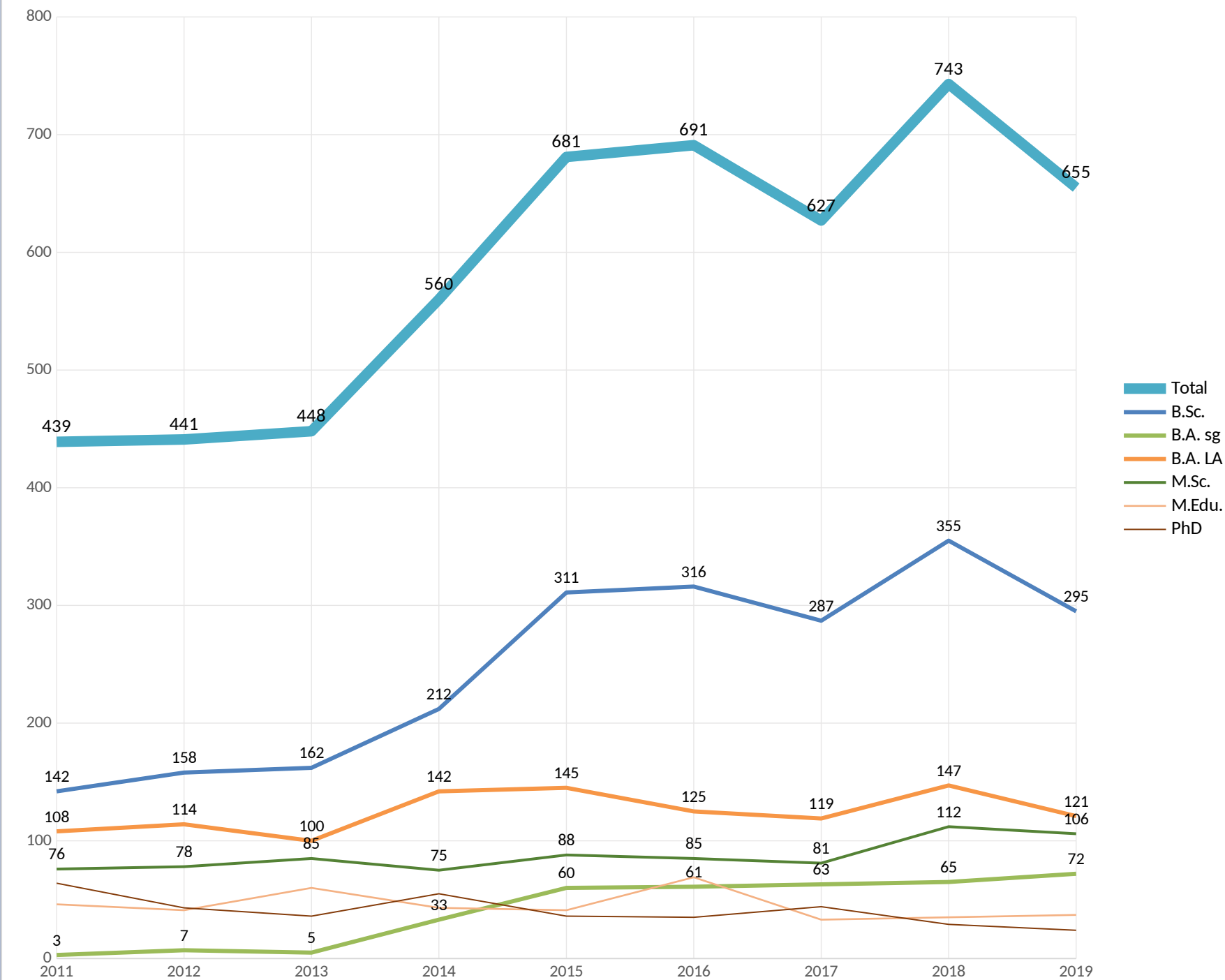




## Faculty of Mathematics and Computer Science

© Fastest growing faculty

Faculty of Mathematics and Computer Science: Grand total students 2011-19



## Faculty of Mathematics and Computer Science

© Fastest growing faculty

© Highest share of foreign students

Source: Controlling winter term 2019/20

Reference date: 27 January 2020

	Students (total)	New students	Foreign students
Grand total	30.883	19 %	13,97 %
Faculty of Humanities	4.847	21 %	17,02 %
Faculty of Business and Economics	4.362	18 %	12,43 %
Medical Center	3.791	12 %	10,84 %
Faculty of Social Sciences	3.370	18 %	8,75 %
Faculty of Law	2.974	20 %	10,12 %
Faculty of Biology and Psychology	2.716	22 %	17,78 %
Faculty of Agricultural Sciences	2.089	21 %	18,53 %
Faculty of Mathematics and Computer Science	1.464	25 %	20,49 %
Faculty of Forest Sciences and Forest Ecology	1.447	19 %	17,07 %
Faculty of Geoscience and Geography	1.237	20 %	9,05 %
Faculty of Physics	1.188	20 %	14,14 %
Faculty of Chemistry	841	15 %	19,50 %
Faculty of Theology	557	18 %	14,18 %



## Recognition of studies

### © Recognition of degrees

- HR
- academic programme

### © Credit transfer

- recognition of periods of studies
- credit transfer

### © Conversion

- credit conversion
- grade conversion







# Recognition of studies

## Academic recognition

- **Academic recognition of degrees**
- **Credit transfer**
- **Credit/grade conversion**





# Non-academic recognition of degrees

## Degree from abroad, to be hired for

- **Professorship**
- **PostDoc position**
- **Doctorate position**

## Funding

- **Scholarship**
  - Depends on the organisation providing the funding
- **Position**
  - HR Department enters stage





# Recognition of studies

## Academic recognition

- **Academic recognition of degrees**
- **Credit transfer**
- **Credit/grade conversion**

## Non-academic recognition

- **Outside HEI  
(incl. outside academic world)**
  - Depends...
- **HEI**
  - Depends on the position and on the HR department



# Non-academic recognition of degrees – HEI's HR Department

## Degree from abroad, to be hired for

- **Professorship**
- **PostDoc position**
- **Doctorate position**

## What does the HR Department says

- **Nothing to say**
- **Depends on the doctorate**
  - OK for EU, Switzerland, USA, Australia, Israel, Japan, Canada
  - Otherwise:
    1. Discuss with HR department (usually works out)
    2. Usually one is not authorized to use the title of doctor in Germany





# Non-academic recognition of degrees – Hiring a doctorate student

**Scenario 1 (worst case)**

**Scenario 2 (best case)**



# Non-academic recognition of degrees – Hiring a doctorate student

## Scenario 1 (worst case)

- **Doctorate position in Mathematics**
- **Master's Degree in, say, Linguistics** from EU HEI, acknowledged as equivalent to Master's Degree in Linguistics from German HEI
- **Average (just pass) grades**
- **For some reason the person you want to hire**

## Scenario 2 (best case)





# Non-academic recognition of degrees – Hiring a doctorate student

## Scenario 1 (worst case)

- **Doctorate position in Mathematics**
- **Master's Degree in, say, Linguistics** from EU HEI, acknowledged as equivalent to Master's Degree in Linguistics from German HEI
- **Average (just pass) grades**
- **For some reason the person you want to hire**

## Scenario 2 (best case)

- **Doctorate position in Mathematics**
- **Bachelor's Degree (Honours) in Mathematics** (from German HEI)
- **Half way through graduate studies** (at German HEI)
- **Excellent grades, 100/100**
- **Selected for fast-track option**



## **Non-academic** recognition of degrees – Hiring a doctorate student

### Scenario 1 (**best** case)

- Doctorate position in Mathematics
- Master's Degree in, say, Linguistics from EU HEI, acknowledged as equivalent to Master's Degree in Linguistics from German HEI
- Average (just pass) grades
- For some reason the person you want to hire

→ HR says: **OK**

### Scenario 2 (**worst** case)

- Doctorate position in Mathematics
- Bachelor's Degree (Honours) in Mathematics (from German HEI)
- Half way through graduate studies (at German HEI)
- Excellent grades, 100/100
- Selected for fast-track option

→ HR says: **No way**





# Non-academic recognition of degrees – Hiring a doctorate student

## Scenario 1 (best case)

- Doctorate position in Mathematics
- Master's Degree in, say, Linguistics from EU HEI, acknowledged as equivalent to Master's Degree in Linguistics from German HEI
- Average (just pass) grades
- For some reason the person you want to hire

→ HR says: **OK**

## Scenario 2 (worst case)

- Doctorate position in Mathematics
- Bachelor's Degree (Honours) in Mathematics (from German HEI)
- Half way through graduate studies (at German HEI)
- Collective labour agreement:  
**No doctorate position without Master's Degree**

→ HR says: **No way**





# Non-academic recognition of degrees

## Student from abroad

- Degree from EU
- Degree from outside EU

## What does the HR Department says

- OK
- Depends  
Database of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany



## Database

**Database of the Standing Conference of the Ministers of Education and Cultural Affairs of the `Länder` (federal states) in the Federal Republic of Germany**

**[www.anabin.kmk.org](http://www.anabin.kmk.org)**

### **What it says**

- **List of HEI's and degrees**
- **Makes statement whether HEI abroad is recognised as HEI (usually no problem)**
- **Makes statement whether / to which extend a degree is recognised as degree (might present a problem)**





# Database

Database of the Standing Conference  
of the Ministers of Education and  
Cultural Affairs of the `Länder`  
(federal states) in the Federal  
Republic of Germany

[www.anabin.kmk.org](http://www.anabin.kmk.org)

If it says something about a degree

- **Equivalent (`fully equivalent`)**
- **Corresponds (`semi equivalent`)**
  - formally equivalent
  - no statement whether materially comparable (left to faculty ← ToR)
  - suffices for HR but not necessarily for academic purpose
- **Restrictedly comparable**
  - formally equivalent
  - not materially comparable
  - suffices for HR but not for academic purpose
- **Not equivalent at all** (→ forget)
- **No statement** (→ have fun)



# Recognition of degrees – Hiring a doctorate student

## Scenario 1

- **Doctorate position in Mathematics**
- **Master's Degree in, say, Linguistics** from EU HEI, acknowledged as equivalent to Master's Degree in Linguistics from German HEI
- **Average (just pass) grades**
- **For some reason the person you want to hire**  
→ HR says: **OK**

## Scenario 2

- **Doctorate position in Mathematics**
- **Bachelor's Degree in Mathematics** (from German HEI)
- **Half way through graduate studies** (at German HEI)
- **Excellent grades, 100/100**
- **Selected for fast-track option**  
→ HR says: **No way**





# Recognition of degrees – Hiring a doctorate student

## Scenario 1

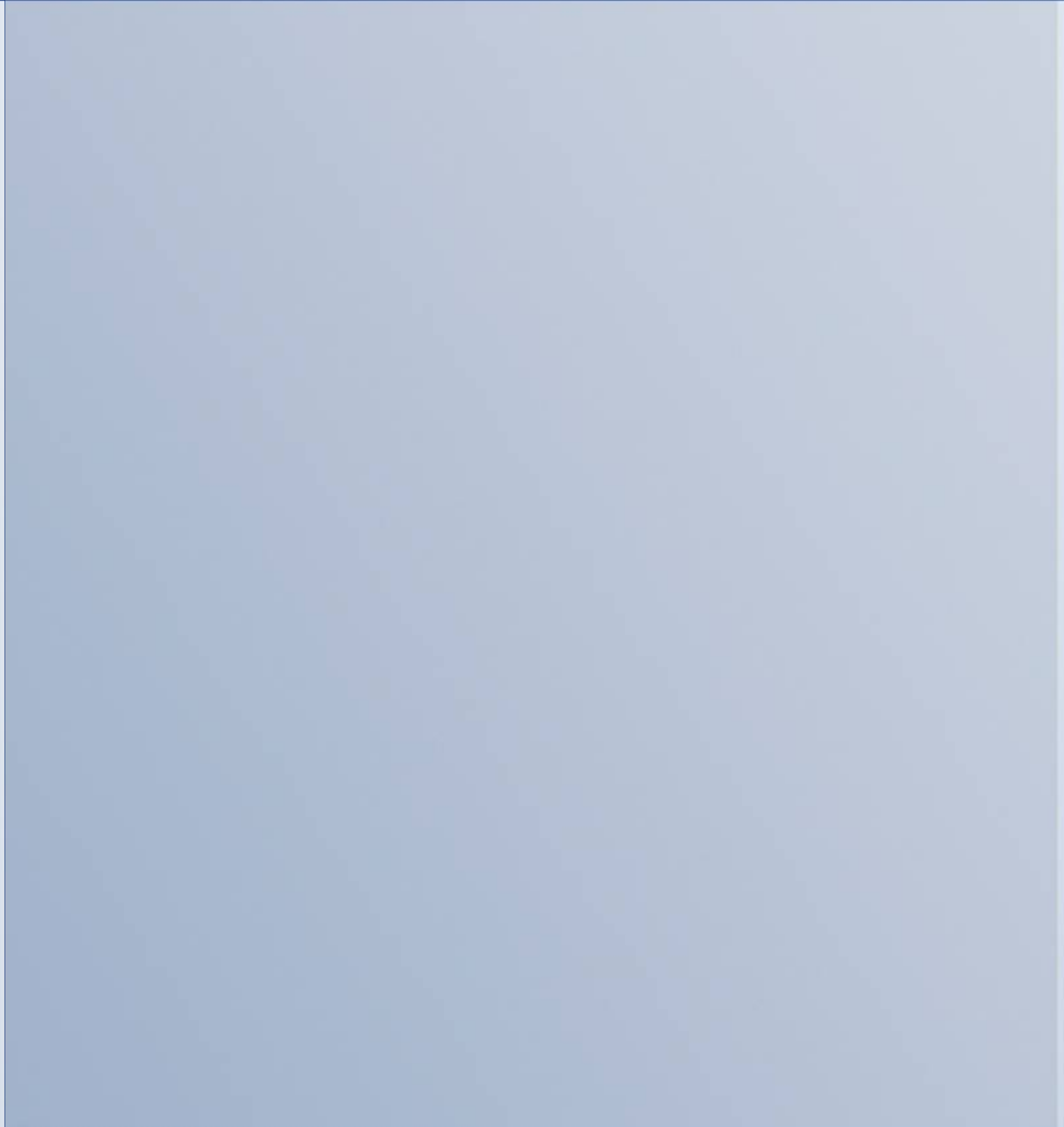
- **Doctorate position in Mathematics**
- **Master's Degree in, say, Linguistics** from EU HEI, acknowledged as equivalent to Master's Degree in Linguistics from German HEI
- **Average (just pass) grades**
- **For some reason the person you want to hire**
  - HR says: **OK**
  - Faculty might say: **No way**

## Scenario 2

- **Doctorate position in Mathematics**
- **Bachelor's Degree in Mathematics** (from German HEI)
- **Half way through graduate studies** (at German HEI)
- **Excellent grades, 100/100**
- **Selected for fast-track option**
  - HR says: **No way**
  - Faculty might say: **OK**



# Academic recognition of degrees – an example







# Academic recognition of degrees – admission for graduate programme

## Scenario 1: Computer Science

- **Bachelor's Degree in CS**  
from EU HEI, acknowledged as  
equivalent to Bachelor's Degree in  
Computer Science from German HEI
- **60 places, 600 applications**
- **Competative selection**  
Grades, interview, ...



# Academic recognition of degrees – admission for graduate programme

## Scenario 1: Computer Science

- **Bachelor's Degree in CS**  
from EU HEI, acknowledged as  
equivalent to Bachelor's Degree in  
Computer Science from German HEI
- **60 places, 600 applications**
- **Competative selection**  
Grades, interview, ...

## Scenario 2: Mathematics

- **Bachelor's Degree in Mathematics**  
from EU HEI, acknowledged as  
equivalent to Bachelor's Degree in  
Computer Science from German HEI
- **Less admissible candidates than  
places**
- **All admissible candidates get  
admission**





# Academic recognition of degrees – admission for graduate programme

## Scenario 1: Computer Science

- **Bachelor's Degree in CS**  
from EU HEI, acknowledged as  
equivalent to Bachelor's Degree in  
Computer Science from German HEI
- **60 places, 600 applications**
- **Competative selection**  
**Grades\*)**, interview, ...
- **No specific requirements on  
content of undergraduate studies**

\*) Need to discuss grade conversion

## Scenario 2: Mathematics

- **Bachelor's Degree in Mathematics**  
from EU HEI, acknowledged as  
equivalent to Bachelor's Degree in  
Computer Science from German HEI
- **Less **admissible** candidates than  
places**
- **All **admissible** candidates get  
admission**
- ****Admissible:** additional  
requirements on undergraduate  
studies**

# Academic recognition of degrees – admission for graduate programme



- **Study** the admission regulations
- Each graduate/doctorate programme has its own specific entry requirements
- Requires a degree in specific field(s) at equivalence level
  - ‘equivalent’ (‘fully equivalent’) **or**
  - ‘corresponds’ (‘semi equivalent’)  
**plus** positive decision on materially comparability
- Possibly additional requirements



# Recognition of degrees – summary



**Recognition of degrees is a research programme with the result depending on:**

- **Academic vs. non-academic recognition**
- **Purpose: Scholarship vs. position vs. admission to degree programme**
- **Any additional conditions resp. specific requirements?**
- **Might lead to contradicting results! (even at national level)**





## Recognition of degrees – break



**That was the hard part.**

**The rest is straight forward.**



# Recognition of degrees – break



**That was the hard part.**

**The rest is straight forward.**

**Let's have a break.**

**Coffee!**

© Petr Kratochvil

<http://www.publicdomainpictures.net/view-image.php?image=5684&picture=kaffe>



# Academic recognition of study achievements and examinations

**Recognition of periods of studies**

**Credit transfer**





# Credit transfer

## Recognition of periods of studies

- **Semester counter**  
(`Fachsemester`)



# Credit transfer

## Recognition of periods of studies

- **Semester counter**  
(`Fachsemester´)
  - **Depends on number of credits acknowledged**  
(column `anzurechnende Leistungen´)
  - Based on ToR
- Credit transfer

anzurechnende Leistungen	Einstufung
0 bis 29 C	1. Fachsemester
30 bis 59 C	2. Fachsemester
60 bis 89 C	3. Fachsemester
90 bis 119 C	4. Fachsemester
120 bis 149 C	5. Fachsemester
ab 150 C	6. Fachsemester



# Credit transfer

## Recognition of periods of studies

- Semester counter
  - Depends on number of credits acknowledged
  - Based on ToR
- Credit transfer

## Credit transfer: Yes or no – depends

- Content/level of courses/modules/course units ...
- Course description (learning outcomes, competencies acquired, references etc.)
- Student has burden of providing documentation:
  - module description
  - course handbook
  - syllabus
  - ...





# Credit transfer

## Recognition of periods of studies

- **Semester counter**
  - **Depends on number of credits acknowledged**
  - **Based on ToR**
- Credit transfer

## Credit transfer: Yes or no – depends

- **Content/level of courses/modules/course units ...**
- **Course description (learning outcomes, competencies acquired, references etc.)**
- **Within EU: Lisbon convention**  
Reversal of burden: HEI has burden of proof for non-recognition)
- **Otherwise**  
Student has burden of proof for equivalence



# Credit conversion

**Göttingen/Germany/EU: ECTS**

**Otherwise: Local credits (Cr)**



## Credit conversion

### **Göttingen/Germany/EU: ECTS**

- **Based on average student workload**
- **30h student work per 1 ECTS**
- **40h per week / 45 weeks per year**
- **30 ECTS per semester**
- **60 ECTS per year**

### **Otherwise: Local credits (Cr)**





## Credit conversion

### Göttingen/Germany/EU: ECTS

- Based on average workload
- 30h student work per 1 ECTS
- 40h per week / 45 weeks per year
- 30 ECTS per semester
- 60 ECTS per year

### Otherwise: Local credits (Cr)

#### Example

- Degree programm,  
4 years, total 160 Cr
  - 40 Cr per year,  
20 Cr per semester
- 1 Cr = 1.5 ECTS



## Grade conversion

**Göttingen: 1.0, 1.3, 1.7, 2.0, ... 4.0 / 5.0**

**Otherwise: Local grades, e.g. %**



# Grade conversion

**Göttingen: 1.0, 1.3, 1.7, 2.0, ... 4.0 / 5.0**

- **1.0 = top grade**
- **4.0 = lowest passing grade**  
**5.0 = fail**

**Otherwise: Local grades, e.g. %**

## **Example**

- **100% = top grade**
- **55% = lowest passing grade**  
**0% - 54% = fail range**





# Grade conversion

**Göttingen: 1.0, 1.3, 1.7, 2.0, ... 4.0 / 5.0**

- **1.0 = top grade**
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**Otherwise: Local grades, e.g. %**

## Example

- **100% = top grade**
- **55% = lowest passing grade**  
**0% - 54% = fail range**
- **Conversion by Bavarian formular**  
(cf. Wikipedia)
- **$N_{\max}$  = top grade**  
 **$N_{\min}$  = lowest passing grade**  
 **$G$  = grade earned**



# Grade conversion

**Göttingen: 1.0, 1.3, 1.7, 2.0, ... 4.0 / 5.0**

- **1.0 = top grade**  
**4.0 = lowest passing grade**  
**5.0 = fail**
- **Göttingen grade equals**  
 **$1 + 3 (N_{\max} - G) / (N_{\max} - N_{\min})$**

**Otherwise: Local grades, e.g. %**

## Example

- **100% = top grade**
- **55% = lowest passing grade**  
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- **$N_{\max}$  = top grade**  
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**G = grade earned**



# Grade conversion

**Göttingen: 1.0, 1.3, 1.7, 2.0, ... 4.0 / 5.0**

- **1.0 = top grade**  
**4.0 = lowest passing grade**  
**5.0 = fail**
- **Göttingen grade equals**  
$$1 + 3 (N_{\max} - G) / (N_{\max} - N_{\min})$$
- **Examples**  
**G = 100% → Göttingen grade = 1.0**  
**G = 85% → Göttingen grade = 2.0**  
**G = 70% → Göttingen grade = 3.0**  
**G = 55% → Göttingen grade = 4.0**

**Otherwise: Local grades, e.g. %**

## Example

- **100% = top grade**
- **55% = lowest passing grade**  
**0% - 54% = fail range**
- **Conversion by Bavarian formular**  
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**G = grade earned**





# Grade conversion = straightforward

**Göttingen: 1.0, 1.3, 1.7, 2.0, ... 4.0 / 5.0**

- **1.0 = top grade**  
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$$1 + 3 (N_{\max} - G) / (N_{\max} - N_{\min})$$
- **Examples**  
**G = 100% → Göttingen grade = 1.0**  
**G = 85% → Göttingen grade = 2.0**  
**G = 70% → Göttingen grade = 3.0**  
**G = 55% → Göttingen grade = 4.0**

**Otherwise: Local grades, e.g. %**

## Example

- **100% = top grade**
- **55% = lowest passing grade**  
**0% - 54% = fail range**
- **Conversion by Bavarian formular**  
(cf. Wikipedia)
- **$N_{\max}$  = top grade**  
 **$N_{\min}$  = lowest passing grade**  
**G = grade earned**



# Recognition of studies – done!



**Thanks for your endurance!**