

Powerful Learning Environments (H002169)

Course size *(nominal values; actual values may depend on programme)*

Credits 6.0

Study time 180 h

Course offerings and teaching methods in academic year 2024-2025

Offering	Language	Location	Teaching Methods
A (semester 1)	Dutch	Gent	seminar independent work lecture
B (semester 1)	Dutch	Brugge	independent work lecture seminar
K (semester 1)	Dutch	Kortrijk	lecture independent work seminar

Lecturers in academic year 2024-2025

De Wever, Bram	PP06	lecturer-in-charge
Rotsaert, Tijs	PP06	co-lecturer
Schellens, Tammy	PP06	co-lecturer

Offered in the following programmes in 2024-2025

Programme	crdts	offering
Bachelor of Arts in Linguistics and Literature(main subject Dutch - English)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - French)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - German)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - Greek)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - Italian)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - Latin)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - Spanish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Dutch - Swedish)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, French)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, German)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, Italian)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, Language Technology)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, Russian)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, Spanish)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, English, Turkish)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, French, German)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, French, Italian)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, French, Language Technology)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages	6	A

(main subject Dutch, French, Russian)		A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, French, Spanish)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, French, Turkish)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, German, Italian)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, German, Language Technology)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, German, Russian)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, German, Spanish)	6	A
Bachelor of Arts in Applied Language Studies: a combination of at least two languages(main subject Dutch, German, Turkish)	6	A
Bachelor of Science in Psychology(main subject Education)	6	A
Bachelor of Arts in Linguistics and Literature(main subject English - German)	6	A
Bachelor of Arts in Linguistics and Literature(main subject English - Greek)	6	A
Bachelor of Arts in Linguistics and Literature(main subject English - Italian)	6	A
Bachelor of Arts in Linguistics and Literature(main subject English - Latin)	6	A
Bachelor of Arts in Linguistics and Literature(main subject English - Spanish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject English - Swedish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - English)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - German)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - Greek)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - Italian)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - Latin)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - Spanish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject French - Swedish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject German - Greek)	6	A
Bachelor of Arts in Linguistics and Literature(main subject German - Italian)	6	A
Bachelor of Arts in Linguistics and Literature(main subject German - Spanish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject German - Swedish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Latin - Greek)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Latin - Italian)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Latin - Spanish)	6	A
Bachelor of Arts in Linguistics and Literature(main subject Latin - Swedish)	6	A
Bachelor of Laws in Laws	6	A
Bachelor of Science in Biochemistry and Biotechnology	6	A
Bachelor of Science in Biology	6	A
Bachelor of Science in Business Administration	6	A
Bachelor of Science in Business Economics	6	A
Bachelor of Science in Chemistry	6	A
Bachelor of Science in Communication Science	6	A
Bachelor of Science in Computer Science	6	A
Bachelor of Science in Criminological Sciences	6	A
Bachelor of Science in Economics	6	A
Bachelor of Science in Geography and Geomatics	6	A
Bachelor of Science in Geology	6	A
Bachelor of Science in Mathematics	6	A
Bachelor of Science in Physical Education and Movement Sciences	6	A
Bachelor of Science in Physics and Astronomy	6	A
Bachelor of Science in Political Science	6	A
Bachelor of Science in Public Administration and Management	6	A
Bachelor of Science in Sociology	6	A
Master of Science in Teaching in Languages(main subject African Languages and Cultures)	6	A

Master of Science in Teaching in Languages(main subject Applied Language Studies)	6	A
Master of Science in Teaching in Arts and Humanities (main subject Archaeology)	6	A
Master of Science in Teaching in Arts and Humanities (main subject Art History, Musicology and Theatre Studies)	6	A
Master of Science in Teaching in Languages(main subject East European Languages and Cultures)	6	A
Master of Science in Teaching in Arts and Humanities (main subject History)	6	A
Master of Science in Teaching in Arts and Humanities (main subject Moral Sciences)	6	A
Master of Science in Teaching in Languages(main subject Oriental Languages and Cultures)	6	A
Master of Science in Teaching in Arts and Humanities (main subject Philosophy)	6	A
Master of Science in Business Economics (main subject Accountancy)	6	A
Master of Science in Business Economics (Double Degree)(main subject Accountancy)	6	A
Master of Science in Speech Language and Hearing Sciences(main subject Audiology)	6	A
Master of Science in Electrical Engineering (main subject Communication and Information Technology)	6	A
Master of Science in Electromechanical Engineering(main subject Control Engineering and Automation)	6	A
Master of Science in Business Economics (Double Degree)(main subject Corporate Finance)	6	A
Master of Science in Business Economics (main subject Corporate Finance)	6	A
Master of Science in Business Engineering(main subject Data Analytics)	6	A
Master of Science in Business Engineering (Double Degree)(main subject Data Analytics)	6	A
Master of Science in Electromechanical Engineering(main subject Electrical Power Engineering)	6	A
Master of Science in Electrical Engineering (main subject Electronic Circuits and Systems)	6	A
Master of Science in Business Engineering (Double Degree)(main subject Finance)	6	A
Master of Science in Business Engineering(main subject Finance)	6	A
Master of Science in Speech Language and Hearing Sciences(main subject Logopaedics)	6	A
Master of Science in Electromechanical Engineering(main subject Maritime Engineering)	6	A
Master of Science in Business Economics (Double Degree)(main subject Marketing)	6	A
Master of Science in Business Economics (main subject Marketing)	6	A
Master of Science in Electromechanical Engineering(main subject Mechanical Construction)	6	A
Master of Science in Electromechanical Engineering(main subject Mechanical Energy Engineering)	6	A
Master of Science in Business Engineering (Double Degree)(main subject Operations Management)	6	A
Master of Science in Business Engineering(main subject Operations Management)	6	A
Master of Science in Biomedical Sciences	6	A
Master of Science in Chemical Engineering	6	A
Master of Science in Chemical Engineering	6	A
Master of Science in Civil Engineering	6	A
Master of Science in Civil Engineering	6	A
Master of Science in Criminological Sciences	6	A
Master of Science in Economics	6	A
Master of Science in Economics (Double Degree)	6	A
Master of Science in Engineering Physics	6	A
Master of Science in Engineering Physics	6	A
Master of Science in Fire Safety Engineering	6	A
Master of Science in Materials Engineering	6	A
Master of Science in Sustainable Materials Engineering	6	A
Linking Course Master of Science in Biochemistry and Biotechnology	6	A
Preparatory Course to Master of Science in Teaching	6	A, B, K
Master of Science in Teaching in Languages (abridged programme)(main subject African Languages and Cultures)	6	A, B, K
Master of Science in Teaching in Languages (abridged programme)(main subject Applied	6	A, B, K

Language Studies)		A, B, K
Master of Science in Teaching in Arts and Humanities (abridged programme)(main subject Archaeology)	6	A, B, K
Master of Science in Teaching in Arts and Humanities (abridged programme)(main subject Art History, Musicology and Theatre Studies)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Biochemistry and Biotechnology)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Bioengineering)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Biology)	6	A, B, K
Master of Science in Teaching in Economics (abridged programme)(main subject Business Administration)	6	A, B, K
Master of Science in Teaching in Economics (abridged programme)(main subject Business Economics)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Chemistry)	6	A, B, K
Master of Science in Teaching in Social Sciences (abridged programme)(main subject Communication Science)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Computer Science)	6	A, B, K
Master of Science in Teaching in Social Sciences (abridged programme)(main subject Criminological Sciences)	6	A, B, K
Master of Science in Teaching in Languages (abridged programme)(main subject East European Languages and Cultures)	6	A, B, K
Master of Science in Teaching in Economics (abridged programme)(main subject Economics)	6	A, B, K
Master of Science in Teaching in Behavioural Sciences (abridged programme)(main subject Educational Sciences)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Engineering and Technology)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Geography and Geomatics)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Geology)	6	A, B, K
Master of Science in Teaching in Arts and Humanities (abridged programme)(main subject History)	6	A, B, K
Master of Science in Teaching in Social Sciences (abridged programme)(main subject Laws)	6	A, B, K
Master of Science in Teaching in Languages (abridged programme)(main subject Linguistics and Literature)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Mathematics)	6	A, B, K
Master of Science in Teaching in Health Sciences (abridged programme)(main subject Medical Sciences)	6	A, B, K
Master of Science in Teaching in Arts and Humanities (abridged programme)(main subject Moral Sciences)	6	A, B, K
Master of Science in Teaching in Languages (abridged programme)(main subject Oriental Languages and Cultures)	6	A, B, K
Master of Science in Teaching in Health Sciences (abridged programme)(main subject Pharmaceutical Sciences)	6	A, B, K
Master of Science in Teaching in Arts and Humanities (abridged programme)(main subject Philosophy)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)(main subject Physics and Astronomy)	6	A, B, K
Master of Science in Teaching in Social Sciences (abridged programme)(main subject Political Science)	6	A, B, K
Master of Science in Teaching in Behavioural Sciences (abridged programme)(main subject Psychology)	6	A, B, K
Master of Science in Teaching in Economics (abridged programme)(main subject Public Administration and Management)	6	A, B, K
Master of Science in Teaching in Health Sciences (abridged programme)(main subject Social Health Sciences)	6	A, B, K
Master of Science in Teaching in Social Sciences (abridged programme)(main subject	6	A, B, K

Sociology)		A, B, K
Master of Science in Teaching in Health Sciences (abridged programme)(main subject Veterinary Medicine)	6	A, B, K
Master of Science in Teaching in Arts and Humanities (abridged programme)	6	A, B, K
Master of Science in Teaching in Languages (abridged programme)	6	A, B, K
Master of Science in Teaching in Behavioural Sciences (abridged programme)	6	A, B, K
Master of Science in Teaching in Economics (abridged programme)	6	A, B, K
Master of Science in Teaching in Health Sciences (abridged programme)	6	A, B, K
Master of Science in Teaching in Physical Education (abridged programme)	6	A, B, K
Master of Science in Teaching in Science and Technology (abridged programme)	6	A, B, K
Master of Science in Teaching in Social Sciences (abridged programme)	6	A, B, K
Elective Set Teaching - Languages	6	A
Elective Set Teaching - Cultural Sciences	6	A

Teaching languages

Dutch

Keywords

Didactical strategies, approaches towards learning and instruction, educational frame of reference, assessment and evaluation, individual differences and challenges for learning

Position of the course

This course contributes to the realization of the final competences of the specific teacher training program, based on the basic teacher competences determined by decree and the specific curriculum objectives. The degree of mastery is specified in the competence matrix which can be consulted on www.ugent.be/educatievemaester

Contents

The course is based on the following 6 modules:

Module 1 "Towards a frame of reference for powerful learning environments"

Module 2 "Learning and teaching" - from theory to practice:

- Behaviorism
- Cognitivism
- Constructivism

Module 3 "Curriculum: final attainment goals, school curricula and learning objectives"

Module 4 "Assessment and evaluation"

Module 5 "Diversity"

Module 6 "Educational technology"

Initial competences

Final competences

- 1 Situating the different actors involved in education on the different levels
- 2 Distinguishing and critically discussing perspectives on education
- 3 Analyzing situations of learning and instruction on the base of an educational frame of reference
- 4 Being able to turn approaches from learning theory and recent educational research into specific approaches towards instruction
- 5 Judging the nature and quality of instructional interventions on the base of psychological approaches towards learning and their translation into approaches towards instruction
- 6 Acknowledging the impact of individual differences and motivation processes in learning and instructional contexts
- 7 Indicating the importance of collaborating in teams in view of inclusive education, equality in education, and care in education
- 8 Relating equality in education and inclusive education to an emancipatory view
- 9 Recognizing, distinguishing and describing the different competences referring to managing diversity on different levels
- 10 Recognizing learning problems and relating them to models of support
- 11 Discussing critically the strengths, weaknesses, opportunities and threats of technological developments and the use of technology in education
- 12 Relating different assessment approaches and techniques to different goals and functions

- of evaluation
- 13 Translating theoretical insight into techniques to stimulate a positive class, working, and interpersonal climate
- 14 Connecting learning goals with learning curricula and programmes

Conditions for credit contract

Access to this course unit via a credit contract is unrestricted: the student takes into consideration the conditions mentioned in 'Starting Competences'

Conditions for exam contract

Access to this course unit via an exam contract is unrestricted

Teaching methods

Seminar, Lecture, Independent work

Extra information on the teaching methods

Modules are tackled during working lectures, for which a preparation can be required (flipped classroom principle). A number of modules are offered online in view of blended learning.

In view of the exercises, students are split into several groups. During these group sessions, seminars and plenary excersies are being applied. The group sessions are a direct preparation for the individual tasks.

- LIO -

The student-teachers - teachers in training - in a LIO-trajectory have to realize the above-mentioned goals and competences through an alternative portfolio-trajectory. The assignments are elaborated in a manual. There are a number of contact-moments, intervision and coaching.

A full LIO-trajectory includes a teaching assignment of minimal 500 hours (this corresponds with a teaching assignment of 12 hours a week). Students with an assignment between 200 and 500 hours participate in the LIO-trajectory on a part-time basis. A candidate with a LIO-trajectory of less than 200 hours (this corresponds to a teaching assignment of less than 5h per week) can not be admitted to the portfolio-trajectory. Such student must follow the normal learning-trajectory.

This course assumes the responsible use of generative artificial intelligence (GAI). During the lessons, what this means will be explained.

Study material

Type: Handbook

Name: Valcke, M. (2023). Krachtig voor de klas. Je onderwijs succesvol afstemmen op diverse groepen. Gent: OWL Borgerhoff-Lamberigts.

Indicative price: € 50

Optional: no

Language : Dutch

Author : Martin Valcke

ISBN : 978-9-46393-942-3

Number of Pages : 605

Oldest Usable Edition : 2023

Online Available : No

Available in the Library : Yes

Available through Student Association : Yes

Usability and Lifetime within the Course Unit : intensive

Usability and Lifetime within the Study Programme : regularly

Usability and Lifetime after the Study Programme : regularly

Additional information: EAN 9789464759006; Link: <https://www.borgerhoff-lamberigts.be/owl-press/shop/boeken/krachtig-voor-de-klas?variant=89201>

References

- Hattie, J. (2012). Visible learning for teachers. Maximizing impact on learning. London, New York: Routledge
- Mortier, K., De Schauwer, E., Van de Putte, I & Van Hove, G. (2010). Inclusief onderwijs in de praktijk. Garant: Antwerpen, Apeldoorn
- Nicaise, I. & Desmet, E. (2008). Gelijke kansen op school: het kan. Zestien sporen voor

praktijk en beleid. Mechelen: Plantijn

Course content-related study coaching

- By appointment: A teaching assistant is available for help with the exercises, the preparatory assignments and for feedback
- Interactive assistance through Ufora.
- Contact persons will be communicated via Ufora and during the first class.

Assessment moments

end-of-term and continuous assessment

Examination methods in case of periodic assessment during the first examination period

Written assessment with multiple-choice questions

Examination methods in case of periodic assessment during the second examination period

Written assessment with multiple-choice questions

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

Permanent evaluation: evaluation of practise-based tasks. For these tasks, a format and concrete description is made available via the electronic learning environment.

Periodic examination: Written exam (multiple choice) based on cases and statements. Items build on each individual theme that has been treated in the lessons.

The student-teachers (teachers in training) in a LLO-trajectory are evaluated on a permanent basis, based on their assignments in their portfolio.

Calculation of the examination mark

A combination of periodic evaluation (75%) and permanent evaluation (25%).

Partial results for which the student scored at least half of the points, can be transferred to the next examination period within the same academic year. Partial results will never be rounded. Students who eschew one or more parts of the evaluation can no longer pass the course. Final scores will be reduced to the highest non-deliberative quotation (7/20) in case the final score is higher.

The final score is the weighted average of the components of the evaluation. Students can only pass for this course if they achieve a minimum of 10/20 for each component.

When students obtain less than 10/20 for at least one of the components, the following rules apply:

- 8/20 or 9/20 for at least one of the components: the student can no longer pass the entire course unit: if the total score is a mark of ten or more out of twenty, then this is reduced to the highest failing mark (9/20).

- less than 8/20 for at least one of the components, the student can no longer pass the entire course unit: if the total score is a mark of eight or more out of twenty, then this is reduced to the highest non- deliberative mark (7/20)

The student-teachers (teachers in training) in a LLO-trajectory must succeed in both parts.