



Reg.no.: OE-RH/2435/2024

Date: Budapest, 6 September, 2024

**Rector's Instruction No. 13/2024. (IX. 06.)
on the fulfillment of the language requirements**

In accordance with legal regulations, the language exam requirement has been removed from the conditions for obtaining a degree at Óbuda University (hereinafter referred to as the "University"). Consequently, the expectation of language proficiency has replaced the language exam as a requirement. The Óbuda University Student Requirements System (hereinafter referred to as "HKR") outlines the University's language requirements, which have been designed to create a fair and legally compliant system of expectations.

The objective of the language training is to ensure that students fully meet the language proficiency requirements specified in the training and output criteria. These criteria state that students who complete their studies must be "capable of communicating in both their native language and at least one foreign language in a professionally appropriate manner, both orally and in writing, in accordance with their field of expertise."

In accordance with this, I hereby establish the following options for fulfilling the mandatory language requirements for all students, regardless of their mode of study, at Óbuda University:

Curriculum	Mandatory Language Requirement
Enrolled before September 1, 2017	<ul style="list-style-type: none">• Professional language• Criterion course• Internal language requirement
Enrolled between September 1, 2017, and September 1, 2023	<ul style="list-style-type: none">• Professional language• Criterion course• Internal language requirement
"E" Curriculum	
Enrolled after September 1, 2023	<ul style="list-style-type: none">• Criterion course• Internal language requirement
"F" Curriculum	

1. Professional Language Course

a) In accordance with Section 25(2) of the Óbuda University Student Requirements System (HKR),

this requirement can be substituted by:



- a) Passing a professional language test (Appendix 1)
- b) Participation in a study mobility program and successful completion of the mobility activities

Curriculum	Professional Language Course	Substitution Options
Enrolled before September 1, 2017	Four hours per week and an elective course (optional)	aa) Document certifying language learning or proficiency ab) Professional language test
Enrolled between September 1, 2017, and September 1, 2023	Three hours per week and an elective course (optional)	Professional language test
"E" Curriculum		
Enrolled after September 1, 2023	Elective course (optional)	-
"F" Curriculum		

1. Criterion Course

- a) In accordance with Section 25(4) of the Óbuda University Student Requirements System (HKR),

this requirement can be substituted by:

- a) Participation in a study mobility program and successful completion of the mobility activities
- b) As specified in Section 25(5)(a) of the Óbuda University Student Requirements System (HKR)

Curriculum	Criterion Course	Substitution Options
Enrolled before September 1, 2017	full time Bsc (daytime)	aa) A state-recognized intermediate (B2) level complex professional language exam, or
Enrolled between September 1, 2017, and September 1, 2023	full time Bsc (daytime)	ab) A state-recognized advanced (C1) level complex general language exam, or
"E" Curriculum		
Enrolled after September 1, 2023	full time Bsc (daytime)	ac) A high school diploma or degree equivalent to the language exams specified in aa) and ab), or
"F" Curriculum		



		ad) A successful (valid) professional language test organized online by the University, or ae) Completion of mobility activities
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1. Internal Language Requirement

- a) In accordance with Section 25(5)(c) of the Óbuda University Student Requirements System (HKR)
- b) Successful completion of the internal language exam (Appendix 2)

exemption/substitution:

- a) As specified in Section 25(5)(c) of the Óbuda University Student Requirements System (HKR)

Date of Completion	Requirement (Output Condition)	Proof of Language Proficiency
August 31, 2021 – December 20, 2022	final exam	–
Fall Semester 2022/2023	absolatory	–
Spring Semester 2022/2023 – Academic Year 2023/2024	absolatory	–
Academic Years 2024/2025 – 2025/2026	absolatory	Internal language requirement
From the Academic Year 2026/2027		

This instruction enters into force on 6 September, 2024 and remains valid until revoked.

Prof. Dr. Kovács Levente
rector



Appendix 1 Completion of the Professional Language Test

All students from any Faculty and mode of study at Óbuda University who are required to complete a professional language course as part of their curriculum are eligible to register for the professional language test. The test is conducted exclusively in English.

The professional language test is typically held in the last week of each month throughout the academic year, aligned with the academic calendar, provided that there are at least 10 registered participants. The test is administered through the Moodle system, either at the main campus of Óbuda University or at a designated secure lab at one of its locations. If a student fails the test, they may retake it at the next available test date. There is no limit on the number of test attempts. However, if a student passes the test, they are allowed to retake it for a higher score only once, and only within the same semester in which they originally passed. In such cases, the original test result will be voided.

Registration Process:

Students must register for the announced test through the Neptun system after enrolling in the professional language course within the same system. The test results will be accessible in the Moodle system and the instructor will record the final grade in the Neptun system during the grade entry period.

Alba Regia Faculty
Topic:
<ol style="list-style-type: none"> 1. Basics of Electronics 2. Energy 3. Unit 7 Culture 4. Unit 7 Globalisation 5. Computer Essentials 6. Vehicles 7. Mérés / Measurement
Mandatory Literature:
<p>Eric H.Glenning, Lewis Lansford and Alison Pohl, Technology for Engineering & Applied Sciences, Oxford University Press, 2013.</p> <p>Cotton, David; Falvey, David; Kent, Simon Kent. Marketleader Intermediate, Business English Course Book, 3rd Edition. Pearson-Longman. 2010.</p> <p>SANTIAGO REMACHA ESTERAS: INFOTECH – ENGLISH FOR COMPUTER USERS (CAMBRIDGE)</p> <p>Peter Donovan: Basic English for Science, OUP, 1996</p> <p>ARCHITECTURE AND BUILDING CONSTRUCTION, Cumming, James; NUCLEUS English for Science and Technology, Longman Group Limited, 1985</p>



Recommended Literature:
<ul style="list-style-type: none">• Mark Ibbotson, Professional English in Use, Cambridge University Press, 2009.• Emmerson, Paul. Business Grammar Builder For class and self-study, Macmillan. 2002.• FIONA HOBBS: COMPUTER ENGINEERING AND INFORMATION TECNOLOGY (WILLFORD PRESS)
Additional Resources:
A.J.Thomson & A.V.Martinet: A Practical English Grammar Exercises 1,2 Viczena, Andrea; Szőke, Andrea. Business 1000 kérdés 1000 válasz. Bővített 2. kiadás Lexika Kiadó, 2016. https://www.ted.com/search?cat=videos&q=information+technology

Bánki Donát Faculty of Mechanical and Safety Engineering
Topic:
Maths, Materials, Safety Engineering, Mechanisms, Machine parts, Vehicles, The Engine
Mandatory Literature:
http://www.banki.hu/~aat/idegennyelvi.htm selected from: Peter Donovan: Basic English for Science, OUP, 1996; Glendinning, Eric: English in Mechanical Engineering, OUP, 1988; Hall, Eugene: The Language of Mechanical Engineering in English, Prentice Hall Regents, NY, 1977
Recommended Literature:
Glendinning, Eric – Glendinning, Norman: Oxford English for Electrical and Mechanical Engineering, OUP, 1995
Additional Resources:
The Oxford-Duden Pictorial English Dictionary, OUP, 1982 https://www.engineering.com/home

Kandó Kálmán Faculty of Electrical Engineering
Topic:
1. Basics of Electronics 2. Energy



3. Material Properties
4. Polymers
5. Aeronautics
6. Machines and Tools
7. Mass Transportation

Mandatory Literature:

- Eric H.Glenning, Lewis Lansford and Alison Pohl, Technology for Engineering & Applied Sciences, Oxford University Press, 2013.
- Eric H.Glenning, and Alison Pohl, Technology 2, Oxford University Press, 2008.

Recommended Literature:

- Mark Ibbotson, Professional English in Use, Cambridge University Press, 2009.

Additional Resources:

- A.J.Thomson & A.V.Martinet: A Practical English Grammar Exercises 1,2.
- Michael Swan: Practical English Usage
- Gráf Zoltán Benedek: Teleteszt

Keleti Károly Faculty of Business and Management

Topics:

Gazdasági szaknyelvi vizsga ANGOL B2 szint

1. Unit 7 Culture
2. Unit 7 Globalisation
3. Unit 8 Human Resources
4. Unit 9 International Trade
5. Unit 10 Ethics
6. Unit 11 Leadership
7. Unit 12 Competition

Mandatory Literature:

- Cotton, David; Falvey, David; Kent, Simon Kent. Marketleader Intermediate, Business English Course Book, 3rd Edition. Pearson-Longman. 2010.
- Rogers, John. Marketleader Intermediate, Business English Practice File, 3rd Edition. Pearson-Longman. 2010.



Recommended Literature:
Emmerson, Paul. Business Grammar Builder For class and self-study, Macmillan. 2002.
Additional Resources:
Viczena, Andrea; Szőke, Andrea. Business 1000 kérdés 1000 válasz. Bővített 2. kiadás Lexika Kiadó, 2016.

John von Neumann Faculty of Informatics
Topics:
1. LIVING IN A DIGITAL AGE
2. COMPUTER ESSENTIALS
3. INSIDE THE SYSTEM
4. COMPUTER PURCHASE
5. INPUT DEVICES
6. OUTPUT DEVICES
7. CAPTURING IMAGES
Mandatory Literature:
SANTIAGO REMACHA ESTERAS: INFOTECH – ENGLISH FOR COMPUTER USERS (CAMBRIDGE)
Recommended Literature:
FIONA HOBBS: COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY (WILLFORD PRESS)
Additional Resources:
https://www.ted.com/search?cat=videos&q=information+technology

Rejtő Sándor Faculty of Light Industry and Environmental Engineering
Topics:
Unit 1 - The Future is now
Unit 2 - New Perspectives
Unit 3 - The Third Dimension
Unit 4 - Measure for measure
Unit 7 - The world of work



Unit 9 - How to be efficient Unit 10 – Predictions
Mandatory Literature:
TechTalk Pre-Intermediate and Intermediate Student’s Book, Hollett, Vicki, Sydes John Oxford Business English, 2005, 2009
Recommended Literature:
TechTalk Pre-Intermediate and Intermediate Student’s Book, Hollett, Vicki, Sydes John Oxford Business English, 2005, 2009
Additional Resources:
http://unorthodoxideas.blogspot.hu/search?q=robots http://www.ted.com/talks/rodney_brooks_why_we_will_rely_on_robots http://www.oled-info.com http://www.3ders.org/3d-printing.html http://www.ted.com/talks/talithia_williams_own_your_body_s_data http://www.ted.com/talks/erik_brynjolfsson_the_key_to_growth_race_em_with_em_the_machines http://www.ted.com/talks/david_pogue_10_top_time_saving_tech_tips ted.org TED.org

Ybl Miklós Faculty of Architecture and Civil Engineering
Topics:
1. Tulajdonságok és alakzatok / Properties and shapes 2. Szerkezetek / Structures 3. Az építkezési terület / The building site 4. Az építkezés folyamata / The building process 5. Építőanyagok / Building materials 6. Mérés / Measurement 7. Építészeti stílusok / Architectural styles
Mandatory Literature:
ARCHITECTURE AND BUILDING CONSTRUCTION, Cumming, James; NUCLEUS English for Science and Technology, Longman Group Limited, 1985
Recommended Literature:
TechTalk Pre-Intermediate and Intermediate Student’s Book, Hollett, Vicki, Sydes John Oxford Business English, 2005, 2009



Appendix 2 Completion of the Internal Language Exam

Students from all Faculties and modes of study at Óbuda University may register for the internal language exam at any time during their entire program. The internal language exam can be taken in English or German.

The internal language exam (with a minimum of 15 participants) is typically conducted in the last week of each month, in accordance with the academic calendar. The exam is administered through the Moodle system at a designated secure lab either at the main campus or at one of the University's locations. If a student fails the exam, they may retake it at the next available exam date. There is no limit on the number of attempts.

Registration Process:

Registration for the announced test is possible through the Neptun system. The test results will be accessible in the Moodle system, and the grade will be recorded by the instructor in the Neptun system during the grade entry period.

Students are exempt from the internal language exam if they meet one of the following criteria:

- a) Acquired credits or completed professional training as part of a mobility program, or
- b) Earned credits at a foreign university, or
- c) Completed professional training abroad, or
- d) Presented a research paper in a foreign language at a student conference (TDK), or
- e) Participated in an international competition, or
- f) Published scientific research or articles in a foreign language, or
- g) Held a position in an international student organization, or
- h) Obtained at least a B2-level complex language exam (both written and oral) in any major world language.

Bánki Donát Faculty of Mechanical and Safety Engineering
1. Topic - Verbrennungsmotoren
Mandatory Literature: www.studysmarter.de/studium/ingenieurwissenschaften/thermodynamik/verbrennungsmotor/ https://www.energie-lexikon.info/verbrennungsmotor.html
Recommended Literature: https://de.wikipedia.org/wiki/Verbrennungsmotor https://www.kfztech.de/kfztechnik/motor/grundlagen/motor_funktion.htm
Additional Resources: https://www.youtube.com/watch?v=ix9USugo9aU https://www.youtube.com/watch?v=Srb0nZ14y4Q



2. Topic - Werkstoffe
Mandatory Literature: https://www.studysmarter.de/studium/ingenieurwissenschaften/werkstoffkunde/werkstoffe/ https://www.studysmarter.de/studium/ingenieurwissenschaften/werkstoffkunde/verbundwerkstoffe/
Recommended Literature: https://www.ingenieur-buch.de/media/blfa_files/9783446448827-Leseprobe.pdf https://www.materialmagazin.com/index.php/composites/einteilung-von-verbundwerkstoffen
Additional Resources: https://www.youtube.com/watch?v=th_nyGb2IKE https://www.youtube.com/watch?v=ft1Q4RY0qY
3. Topic – Maschinenkonstruktion
Mandatory Literature: https://www.studocu.com/de/document/rheinisch-westfalische-technische-hochschule-aachen/fertigungsgerechte-konstruktion-und-produktgerechte-fertigungsauslegung/fkpf-v10-grundlagen-der-maschinenkonstruktion-ii-ss20/28309681 https://www.sculpteo.com/de/glossar/cad-definition-de/
Recommended Literature: https://www.ast.gmbh/maschinenkonstruktion/ https://de.wikipedia.org/wiki/CAD
Additional Resources: https://www.youtube.com/watch?v=8tvBLCdyjI4
4. Topic – CNC-Maschinen, Bearbeitungszentren
Mandatory Literature: https://www.rapiddirect.com/de/blog/what-is-cnc-machining/ https://www.ferrotall.com/was-ist-ein-bearbeitungszentrum-und-wie-funktioniert-es/
Recommended Literature: https://remotescout24.com/de/blog/1197-cnc-programmierung https://www.cnc-lehrgang.de/vorteile-cnc-technik/
Additional Resources: https://www.youtube.com/watch?v=pvLmRPnBLqY



5. Topic – Sensoren
Mandatory Literature: https://stex24.com/de/ratgeber/sensoren https://www.studysmarter.de/studium/ingenieurwissenschaften/messtechnik/sensorik/
Recommended Literature: https://www.studysmarter.de/studium/ingenieurwissenschaften/messtechnik/physikalische-sensoren/ https://www.studysmarter.de/studium/ingenieurwissenschaften/messtechnik/kapazitiver-sensor/
Additional Resources: https://www.youtube.com/watch?v=Qp6NYBjPq54 https://www.youtube.com/watch?v=ZmA9anBWowk
6. Topic – Alternative Antriebsarten
Mandatory Literature: https://www.adac.de/verkehr/tanken-kraftstoff-antrieb/alternative-antriebe/alternative-antriebe-uebersicht/ https://www.allianzdirect.de/kfz-versicherung/alternative-antriebe-ratgeber/
Recommended Literature: https://de.wikipedia.org/wiki/Alternative_Antriebstechnik https://www.motorblatt.de/alternative-antriebe-technik-der-zukunft.php
Additional Resources: https://www.youtube.com/watch?v=iAW2DYNlc3k
7. Topic – Fahrerassistenzsysteme
Mandatory Literature: https://www.vehiculum.de/magazin/fahrerassistenzsysteme-im-auto-welche-gibt-es https://www.meinauto.de/lp/lexikon/fahrerassistenzsysteme
Recommended Literature: https://www.carwow.de/ratgeber/rund-ums-auto/welche-fahrerassistenzsysteme-gibt-es#gref https://de.wikipedia.org/wiki/Fahrerassistenzsystem/



Additional Resources: https://www.youtube.com/watch?v=upkqFIDq04k https://mobile.polizei-dein-partner.de/themen/verkehrssicherheit/gewerblicher-strassenverkehr/detailansicht-gewerblicher-strassenverkehr/artikel/video-fahrerassistenzsysteme-im-einsatz.html
8. Topic – 3D-Druck, 4D-Druck
Mandatory Literature: https://www.studysmarter.de/studium/ingenieurwissenschaften/fertigungstechnik/3d-druck/ https://www.sculpteo.com/de/3d-lernzentrum/das-beste-von-unserem-blog/4d-druck-eine-technologie-aus-der-zukunft/
Recommended Literature: https://devworkplaces.com/article/wie-funktioniert-der-3d-druck https://www.industry-of-things.de/4d-druck-die-additive-fertigung-trainiert-ihre-muskeln-a-766095/
Additional Resources: https://www.youtube.com/watch?v=KWry7IzS1ac https://www.youtube.com/watch?v=69MhuN1FRV4
9. Topic – Künstliche Intelligenz
Mandatory Literature: https://mindsquare.de/knowhow/kuenstliche-intelligenz/ https://www.wfb-bremen.de/de/page/stories/digitalisierung-industrie40/was-ist-kuenstliche-intelligenz-definition-ki
Recommended Literature: https://www.sap.com/austria/products/artificial-intelligence/what-is-artificial-intelligence.html https://www.maschinenmarkt.vogel.de/kuenstliche-intelligenz-ki-einfach-erklart-beispiele-anwendungen-a-839104/
Additional Resources: https://www.youtube.com/watch?v=lp1a2JHdt3E
10. Topic – Industrie 4.0, Industrie 5.0
Mandatory Literature: https://www.atoss.com/de/wissen-inspiration/blog/der-weg-von-industrie-4-0-zu-industrie-5-0 https://www.sap.com/germany/insights/industry-5-0.html



Recommended Literature: https://www.visualcomponents.com/de/ressourcen/blog_de/industrie-5-0-und-fabriksimulation/ https://www.wfb-bremen.de/de/page/stories/digitalisierung-industrie40/was-ist-industrie-40-eine-kurze-erklaerung
Additional Resources: https://www.ardmediathek.de/video/schulfernsehen/industrie-4-0/ard-alpha/Y3JpZDovL2JyLmRIL3ZpZGVvL2M0NDFINzIxLTM0M2Q0NDc0YS1iNiBiLWE4ODBiOTAwZGQ1NQ
11. Topic – Industrieroboter, Cobots
Mandatory Literature: https://www.studysmarter.de/studium/ingenieurwissenschaften/fertigungstechnik/industrieroboter/ https://www.studysmarter.de/studium/ingenieurwissenschaften/fertigungstechnik/cobots/
Recommended Literature: https://automationspraxis.industrie.de/industrierobotik/industrieroboter-grundlagen-fakten-und-hersteller-von-industrierobotik/ https://blog.item24.com/automatisierte-produktion/kollaborative-roboter-cobots-in-der-produktion-einsetzen/
Additional Resources: https://www.youtube.com/watch?v=CnpcWhvEIlk https://www.youtube.com/watch?v=GxBkHaLVbRE
12. Topic –Smart Home
Mandatory Literature: https://www.computerwissen.de/internet-und-netzwerk/smart-home/ https://www.verbraucherzentrale.de/wissen/umwelt-haushalt/wohnen/smart-home-das-intelligente-zuhause-6882
Recommended Literature: https://www.energie-experten.org/haustechnik/smart-home https://www.homeandsmart.de/was-ist-ein-smart-home
Additional Resources: https://www.youtube.com/watch?v=i1A42D-U2YQ https://www.youtube.com/watch?v=hNlyZhxbQHI



13. Topic – Wasserstoff
Mandatory Literature: https://solarenergie.de/hintergrundwissen/wasserstoff https://www.ewe.com/de/zukunft-gestalten/wasserstoff/wasserstoff-anwendungen
Recommended Literature: https://www.wfb-bremen.de/de/page/stories/windenergie-bremen/lohnt-sich-wasserstoff https://www.dilico.de/de/wasserstoff.php
Additional Resources: https://www.youtube.com/watch?v=0QDdu6FUnJo
14. Topic – Erneuerbare Energiequellen
Mandatory Literature: https://www.planet-wissen.de/technik/energie/erneuerbare_energien/index.html https://solar.red/erneuerbare-energien/
Recommended Literature: https://de.wikipedia.org/wiki/Erneuerbare_Energien https://www.next-kraftwerke.de/wissen/erneuerbare-energien
Additional Resources: https://www.youtube.com/watch?v=GWtliw4I6VA

Keleti Károly Faculty of Business and Management
Topics:
<ol style="list-style-type: none">1. Naturwissenschaft: Gesetzmäßigkeiten, Beobachtungen, Experimente2. Technik: Zusammenhang mit den Naturwissenschaften, Ziele und Teilbereiche der Technik<ol style="list-style-type: none">3. Teilbereiche der Physik: klassische Physik4. Teilbereiche der Physik: moderne Physik5. Wie funktioniert ein Auto? – Einzelteile, Kraftübertragung, Kraftstoffe6. Wie funktioniert ein Auto? – Funktionsweise des Dieselmotors7. Wie funktioniert ein Auto? – Getriebe, Kupplung, Differential, Auspuff8. Internationales Marketing



9. Fallbeispiel: Kauffrau im Außenhandel
10. Markterkundung, Marktforschung; Teilbereiche der Marktforschung
11. Verkäufermarkt und Käufermarkt
12. Absatz und Marketing
13. Marketingmix, Absatzpolitisches Instrumentarium
14. Unternehmenspräsentation: Checkliste zur Präsentation

Mandatory Literature:

Kommunikation in der Wirtschaft (Lehr- und Arbeitsbuch) – Goethe Institut, Fraus, Cornelsen -
Internationales Marketing – Seite 64./ 1.a)
Fallbeispiel: Kauffrau im Außenhandel – Seite 66./ Text
Markterkundung, Marktforschung; Teilbereiche der Marktforschung – Seite 68./ 3.a), 3.b)
Verkäufermarkt und Käufermarkt – 70./ 4.a)
Absatz und Marketing – Seite 72./ 5.b)
Marketingmix, Absatzpolitisches Instrumentarium – Seite 74./ Text + Tabelle
Unternehmenspräsentation: Checkliste zur Präsentation – Seite 118./ 1.a)

Additional Resources:

Szövegek (Word dokumentumok):

„Naturwissenschaft und Technik“

„Teilbereiche der Physik“

„Wie funktioniert eigentlich ein Auto?“

- *Naturwissenschaft: Gesetzmäßigkeiten, Beobachtungen, Experimente*
Text „Naturwissenschaft und Technik“, Zeilen 1-21.
- *Technik: Zusammenhang mit den Naturwissenschaften, Ziele und Teilbereiche der Technik*
Text „Naturwissenschaft und Technik“, Zeilen 22-35.
 - *Teilbereiche der Physik: klassische Physik*
Text „Teilbereiche der Physik“
 - *Teilbereiche der Physik: moderne Physik*
Text „Teilbereiche der Physik“
- *Wie funktioniert ein Auto? – Einzelteile, Kraftübertragung, Kraftstoffe*
Text „Wie funktioniert eigentlich ein Auto?“
- *Wie funktioniert ein Auto? – Funktionsweise des Dieselmotors*
Text „Wie funktioniert eigentlich ein Auto?“
- *Wie funktioniert ein Auto? – Getriebe, Kupplung, Differential, Auspuff*
Text „Wie funktioniert eigentlich ein Auto?“