

CURRICULUM VITAE
HASAN ŞAHİN KIZILCIK, Ph.D.
Updated in September 2024

Personal Information

Job Title: Professor
Given Names: Hasan Şahin
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Title & Full Name: Prof. Dr. Hasan Şahin Kızılıcık
Institution: Gazi University, Gazi Faculty of Education, Physics Education
Position: Academic Staff
Gender: Male
Date of Birth: 1980
Place of Birth: Kastamonu, Türkiye
Citizenship: Republic of Türkiye



Communication Information

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<https://www.scopus.com/authid/detail.uri?authorId=55022855800>
https://www.researchgate.net/profile/Hasan_Kizilcik
<https://scholar.google.com.tr/citations?user=DkimUVsAAAAJ>
<https://www.semanticscholar.org/author/Hasan-Sahin-Kizilcik/117475753>

Social Networks: <https://www.facebook.com/hskizilcik>
<https://twitter.com/hskizilcik>
https://www.instagram.com/hskizilcik_tr/
<https://www.youtube.com/user/hskizilcik>
<https://www.linkedin.com/in/hskizilcik/>

Titles & Degrees

- *Bachelor's + Non-Thesis Master's Degree*: 16.06.2003 (Physics Education)
- *Master's Degree*: 10.12.2004 (Physics Education)
- *Ph.D. (Doctor of Philosophy)*: 01.02.2012 (Physics Education)
- *Associate Professorship*: 23.01.2019 (Physics Education)
- *Bachelor's Degree*: 27.05.2019 (Turkish Language and Literature)
- *Professorship*: 20.08.2024 (Physics Education)

Education & Training

- **High School Degree**: Kastamonu Göl Anatolian Teacher High School, Science Program; Alumni Date: 19.06.1998
- **Bachelor's + Non-Thesis Master's Degree (five-years program)**: Gazi University, Gazi Faculty of Education, Department of Secondary Science & Math. Education, Physics Education Program; Alumni Date: 16.06.2003
- **Master's Degree**: Gazi University, Institute of Educational Sciences, Department of Secondary Science & Math. Education, Physics Education Program; Advisor: Prof. Dr. Mustafa Tan; Alumni Date: 10.12.2004
- **Ph.D. (Doctor of Philosophy) Degree**: Gazi University, Institute of Educational Sciences, Department of Secondary Science & Math. Education, Physics Education Program; Advisor: Prof. Dr. Mustafa Tan; Alumni Date: 01.02.2012
- **Bachelor's Degree**: Anadolu University, Faculty of Open University, Department of Turkish Language and Literature; Alumni Date: 27.05.2019

Work Experience

- **Gazi University, Gazi Faculty of Education, Department of Secondary Science & Math. Education, Physics Education Program**; *Lecturer*; September 2003 - December 2005
- **Gazi University, Informatics Department**; *Lecturer*; September 2005 - January 2006
- **Gazi University – BELTEK**; *Lecturer*; December 2006 - January 2007
- **Gazi University, Gazi Faculty of Education, Department/Program: Department of Secondary Science & Math. Education, Physics Education Program**; *Research & Teaching Assistant*; 16.12.2005 – 23.01.2019
- **Gazi University, Gazi Faculty of Education, Department of Mathematics & Science Education, Physics Education Program**; *Associate Professor*; 23.01.2019 - ...
- **National Defense University, Department of Fundamental Sciences**; *Visiting Associate Professor*; 05.10.2020 - 06.2022

Personal Skills

- **Programming and Scripting Skills**: Visual Basic 6.0, QBasic, C++, ASP, CGI, PHP, HTML, CSS, VBScript, JavaScript, MySQL, XML
- **Language and Communication Skills**: Turkish (Mother tongue)
 - Second Language: English (IELTS Score: 5.5 – December 2014)
 - Certificate on Diction, Liderlik Okulu, Ankara, 2011.
 - Certificate of Ancient Turkic (Göktürk) Language, Turkish Language Association, 2020

- **Driving License:** B, B1, D1, F, M
- Certificate of Quality Training, Gazi University Distance Education Application & Research Center and Gazi University Quality Commission, 2022

Positions Held

- **Gazi University, Gazi Faculty of Education, Department of Mathematics and Science Education, Physics Education Division, Erasmus Coordinator, (2014-2016)**
- **Gazi University, Institute of Educational Sciences, Member of Education Commission, (25.07.2019-...)**
- **Gazi University, Gazi Faculty of Education, Member of Orientation Commission (08.01.2020-08.01.2022)**
- **Gazi University, Gazi Faculty of Education, Department of Mathematics and Science Education, Physics Education Division, Internal Control Working Group Member, (20.01.2020-26.08.2020)**
- **Gazi University, Gazi Faculty of Education, Department of Mathematics and Science Education, Physics Education Division, Accreditation Commission Member, (2021-...)**

Assignments

- **TÜBİTAK Research Support Programs Directorate (ARDEB), Observer Panelist (18.05.2021)**
- **Ministry of National Education, K12 Skills Framework Turkey Holistic Model Physics Education Program Development Commission Membership (23.10.2023-05.10.2024)**
- **Ministry of National Education, In-Service Training, Physics Curriculum Training of Trainers Course, Trainer, Çayeli, Rize, (13.05.2024-17.05.2024)**

Additional Assignments

- 1st Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2004.
- Gazi University, Gazi Faculty of Education, Physics Education, *Vice Coordinator of Erasmus and ECTS*, (2005-2014)
- Gazi University, Gazi Faculty of Education, *Webmaster of Physics Education Division*, (2005-...)
- 2nd Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2006.
- 3rd Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2007.
- 4th Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2008.
- 5th Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2009.
- 6th Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2010.
- Gazi University, Gazi Faculty of Education, *Webmaster*, (2011-2013)
- Gazi University, Gazi Faculty of Education, Physics Education, *Advisership of Undergraduate Students* (2011-2019).

- 7th Secondary School Science & Mathematics Science Fair, Physics Section, *Member of Organization Committee*, Gazi University, Gazi Faculty of Education, 2012.
- Gazi University, Gazi Faculty of Education, *Webmaster of Department of Mathematics & Science Education*, (2013-2017)
- Gazi University, Gazi Faculty of Education, 90th Anniversary Events, *Member of Organization Committee*, 2016.
- Gazi University, Gazi Faculty of Education, Physics Education, *Advisership of Undergraduate Students* (2016-2024).
- Gazi University, Gazi Faculty of Education, Physics Education, *Advisership of Undergraduate Students* (2023-...).

Memberships

- European Science Education Research Association (ESERA), *Member* (2008-2010; 2023-...)
- Turkish Physics Association, *Member* (2009-2010)
- Educational Research Association, *Member* (2009-2010)
- Turkish Language Association, *Reserve Member of Board* (2017-2018); *Member* (2016-2022)
- Language Association, *Member* (2016-2023)

Projects

1. Gazi University, Research Fund, "A case study on the effect of problem-based learning on the learning of heat and temperature concepts." Code: 04/2010-03, Project Coordinator: Mustafa TAN; Researcher: Hasan Şahin KIZILCIK, Dates: June 2010 – January 2012. Completed.
2. Gazi University, Research Fund, "Laboratory approaches: The effects of physics experiments on students' success", Kodu: 04/2010-05, Project Coordinator: Çağlar GÜLÇİÇEK; Researchers: Hasan Şahin KIZILCIK, Volkan DAMLI, Rıza SALAR, Dates: June 2010 – July 2012. Completed.
3. TÜBİTAK, 4004 Program, "The applied science school for future scientists". Project Code: 213B646. Project Coordinator: Nusret KAVAK; Trainer: Hasan Şahin KIZILCIK, Dates: 16-21 June 2014. Completed.
4. TÜBİTAK, 2237-A Program, "Physics Education for Sustainable Development". Project Coordinator: Hasan Şahin KIZILCIK; Trainers: Şebnem KANDİL İNGEÇ, Pervin ÜNLÜ YAVAŞ, Hasan Şahin KIZILCIK, Esin ŞAHİN, Müge AYGÜN, Nuray ÖNDER ÇELİKKANLI, Volkan DAMLI, Osman TÜRK. Code: 1129B372200014. Dates: 5-9 September 2022. Completed.
5. TÜBİTAK, 2237-A Program, "Physics Education for Sustainable Development II". Project Coordinator: Müge AYGÜN; Trainers: Şebnem KANDİL İNGEÇ, Pervin ÜNLÜ YAVAŞ, Hasan Şahin KIZILCIK, Esin ŞAHİN, Müge AYGÜN, Nuray ÖNDER ÇELİKKANLI, Volkan DAMLI, Osman TÜRK. Code: 1129B372300115. Dates: 4-8 September 2022. Continues.

Conferences & Symposiums Attendings

1. 7th National Science and Mathematics Education Congress, Gazi University, 7-9 September 2006, Ankara, Türkiye.
2. 8th National Science and Mathematics Education Congress, Abant İzzet Baysal University, 27-29 August 2008, Bolu, Türkiye.
3. The 1st International Congress of Educational Research, Çanakkale Onsekiz Mart University, 1-3 May 2009, Çanakkale, Türkiye.

4. Turkish Physical Society 27th International Physics Congress, Istanbul University, 14-17 September 2010, İstanbul, Türkiye.
5. 2nd International Conference on New Trends in Education and Their Implications, 27-29 April 2011, Antalya, Türkiye.
6. The 3rd International Congress of Educational Research, 4-7 May 2011, Girne, TRNC.
7. 10th National Science and Mathematics Education Congress, Niğde University, 27-30 June 2012, Niğde, Türkiye.
8. Turkish Physical Society 29th International Physics Congress, 5-8 September 2012, Muğla, Türkiye.
9. 9th International Conference on Hands on Science, 17-21 October 2012, Antalya, Türkiye.
10. Turkish Physical Society 30th International Physics Congress, Istanbul University, 2-5 September 2013, İstanbul, Türkiye.
11. 1st National Physics Education Congress, Hacettepe University, 12-14 September 2013, Ankara, Türkiye.
12. 11th National Science and Mathematics Education Congress, Çukurova University, 11-14 September 2014, Adana, Türkiye.
13. 2nd National Physics Education Congress, Middle East Technical University, 10-12 September 2015, Ankara, Türkiye.
14. Turkish Physical Society 32nd International Physics Congress, 6-9 September 2016, Muğla, Türkiye.
15. 12th National Science and Mathematics Education Congress, Karadeniz Technical University, 28-30 September 2016, Trabzon, Türkiye.
16. 3rd National Physics Education Congress, Gazi University, 14-16 September 2017, Ankara, Türkiye.
17. 27th International Conference on Educational Sciences, 18-22 April 2018, Antalya, Türkiye.
18. 4th International Symposium on Educational and Social Sciences in Turkish Cultural Geography, 27-30 June 2018, Baku, Azerbaijan.
19. 5th National Physics Education Congress, Boğaziçi University, 14-16 January 2022, İstanbul, Türkiye.
20. 9th International Eurasian Educational Research Congress, 22-25 June 2022, Ege University, İzmir, Türkiye.
21. Gazi University International Early Career Researchers Congress III, 19-21 June 2023, Ankara, Türkiye.
22. The 15th Conference of European Science Education Research Association (ESERA), 28 August-1 September 2023, Nevşehir, Türkiye.
23. International Education Congress (EDUCongress), 20-23 September 2023, Ankara University, Ankara, Türkiye.
24. 15th National Science and Mathematics Education Congress, 27-30 September 2023, Kars, Türkiye.

Conferences Organizing

1. 3rd National Physics Education Congress, Gazi University, 14-16 September 2017, Ankara-TÜRKİYE (Member of Organization Committee)

Supervised Theses

1. Maden, N. (2023). *Examining the models used in the 9th grade physics textbook prepared in accordance with the 2018 secondary education physics course curriculum*. [Master's Thesis], Gazi University, Institute of Educational Sciences.

2. Sezen Cantaş, N. (2023). *Investigation of attitudes towards simple electric circuits in primary school 6th, 7th, and 8th grades*. [Master's Thesis], Gazi University, Institute of Educational Sciences.
3. Öznur Yeşilyurt, Gazi University, Institute of Educational Sciences, Master's degree, started at 01.2023 (Continues...).
4. Ayşegül Tüysüz, Gazi University, Institute of Educational Sciences, Master's degree, started at 06.2023 (Continues...).

Editorship

Journal Editorial Assignments

- Science Journal of Education, Member of Editorial Board, Science GP, ISSN: 2329-0900; e-ISSN: 2329-0897 (28.01.2022-28.01.2024). <https://www.sciencepg.com/j/sjedu>
- Dicle University Journal of Ziya Gökalp Faculty of Education, Field Editor, Dicle University, ISSN: 1305-0060 (02.03.2023-...). <https://dergipark.org.tr/tr/pub/zgefd>
- Journal for the Education of Gifted Young Scientists, Member of Editorial Board, Genç Bilge Publishing, e-ISSN: 2149-360X (14.04.2023-...). <https://dergipark.org.tr/en/pub/jegys>

Journal & Symposium Reviews

Journal Reviews (47 times)

- Journal of Research in Education and Society, 3 times in Turkish (20.10.2017; 29.11.2017; 09.09.2020). <http://dergipark.gov.tr/etad>
- International Journal of Physics and Chemistry Education, 3 times in English (25.10.2017; 26.04.2021; 14.10.2021). <http://ijpce.org/index.php/IJPCE>
- Kastamonu Education Journal, 3 times in English (11.06.2018; 11.12.2018; 14.05.2019). <https://dergipark.org.tr/tr/pub/kefdergi>
- Elementary Education Online, 3 times in English (03.07.2018; 21.06.2019; 26.08.2019). <http://www.ilkogretim-online.org/>
- Asia-Pacific Forum on Science Learning and Teaching, 1 time in English (21.11.2018). <https://www.eduhk.hk/apfslt/>
- Eurasian Journal of Educational Research, 2 times in English (10.04.2019; 20.07.2020). <http://ejer.com.tr/>
- Education Research International, 1 time in English (30.11.2019). <https://www.hindawi.com/journals/edri/>
- Marmara University Atatürk Education Faculty Journal of Educational Sciences, 1 time in Turkish (18.09.2020). <https://dergipark.org.tr/tr/pub/maruaebd>
- Journal of Turkish Science Education, 4 times in English (08.01.2021; 04.05.2021; 04.03.2022; 09.05.2022). <https://www.tused.org/>
- Physical Review Physics Education Research, 4 times in English (24.11.2021; 23.11.2022; 12.06.2023; 18.04.2024). <https://journals.aps.org/prper/>
- European Journal of Physics, 5 times in English (25.04.2022; 16.09.2022; 20.12.2022; 19.06.2023; 11.12.2023). <https://iopscience.iop.org/journal/0143-0807>
- African Educational Research Journal, 1 time in English (22.06.2022). http://www.netjournals.org/aer_index.html

- The Journal of Turkish Educational Sciences, 2 time in Turkish (17.09.2022; 09.05.2024).
<https://dergipark.org.tr/tr/pub/tebd>
- Journal of Higher Education and Science, 1 time in English (23.03.2023).
<https://dergipark.org.tr/tr/pub/higheredusci>
- National Journal of Education Academy, 1 time in Turkish (27.03.2023). <https://dergipark.org.tr/tr/pub/uead>
- International Journal of Contemporary Educational Research, 1 time in English (09.06.2023). <https://ijcer.net/>
- Journal for the Education of Gifted Young Scientists, 1 time in English (17.07.2023).
<https://dergipark.org.tr/en/pub/jegys>
- Necatibey Faculty of Education Electronic Journal of Science and Mathematics Education, 1 time in English (21.09.2023). <https://dergipark.org.tr/tr/pub/balikesirnef>
- F1000Research, 1 time in English (29.09.2023). <https://f1000research.com/>
- Physica Scripta, 1 time in English (04.12.2023). <https://iopscience.iop.org/journal/1402-4896>
- Bartin University Journal of Faculty of Education (BUJFED), 2 time in English (06.02.2024; 09.05.2024).
<https://dergipark.org.tr/en/pub/buefad>
- Ondokuz Mayıs University Journal of Education Faculty, 1 time in Turkish (11.04.2024).
<https://dergipark.org.tr/tr/pub/omuefd>
- Discover Education, 1 time in English (15.04.2024). <https://link.springer.com/journal/44217>
- Anadolu Journal of Educational Sciences International, 1 time in English (27.05.2024).
<https://dergipark.org.tr/tr/pub/ajesi>
- International Journal of Research in Education and Science (IJRES), 1 time in English (22.09.2024).
<https://www.ijres.net/>
- Journal of National Education, 1 time in Turkish (29.09.2024). <https://dergipark.org.tr/tr/pub/milliegitim>

Symposium Reviews

- 11th National Science and Mathematics Education Congress, Çukurova University, 11-14 September 2014, Adana, Türkiye.
- 2nd National Physics Education Congress, Middle East Technical University, 10-12 September 2015, Ankara, Türkiye.
- 12th National Science and Mathematics Education Congress, Karadeniz Technical University, 28-30 September 2016, Trabzon, Türkiye.
- 3rd National Physics Education Congress, Gazi University, 14-16 September 2017, Ankara, Türkiye.
- 6th International Eurasian Educational Research Congress, Ankara University, 19-22 June 2019, Ankara, Türkiye.
- International Symposium on Active Learning, 6-8 September 2019, Adana, Türkiye.
- 4th National Physics Education Congress, Trabzon University, 27-28 September 2019, Trabzon, Türkiye.
- 7th International Eurasian Educational Research Congress - ONLINE, Anadolu University, 10-12 September 2020.
- 14th National Science and Mathematics Education Congress (Online), Burdur Mehmet Akif Ersoy University, 19-21 May 2021.
- 8th International Eurasian Educational Research Congress ONLINE, Aksaray University, 7-10 July 2021.

- 5th National Physics Education Congress (Online), Boğaziçi University, 14-16 January 2022, İstanbul, Türkiye.
- International Current Research Symposium (Online), 21-22 February 2022, Türkiye.
- 9th International Eurasian Educational Research Congress, 22-25 June 2022, Ege University, İzmir, Türkiye.
- The 15th Conference of European Science Education Research Association (ESERA), 28 August-1 September 2023, Nevşehir, Türkiye

PUBLICATIONS

Theses

1. Kızılcık, H. Ş. (2004). *The comparing of the writing measurement formats used at the physics education for the impulse-momentum subject*. [Master's Thesis], Gazi University. [in Turkish]
2. Kızılcık, H. Ş. (2012). *A case study on development of heat and temperature concepts in process of problem-based learning*. [Ph.D. Dissertation]. Gazi University. [in Turkish]

Book Chapters

1. Kızılcık, H. Ş. (2014). Thermal Properties of Matter. (pp.1-29). In Ünsal, Y. & İnceç, Ş. K. (Eds.) *General Physics III*. Ankara: Pegem Akademi Publishing. ISBN: 978-605-364-906-9 [in Turkish]

Articles

1. Kızılcık, H. Ş., Temiz, B. K., Tan, M. & İnceç, Ş. K. (2007). A study of verbal section teacher candidates' attitude towards science, science education and technology. *Education and Science*, 32(146), 80-88. [in Turkish]
2. Kızılcık, H. Ş. & Tan M. (2007). The comparing of the writing measurement formats used at the physics education for the impulse-momentum subject. *Gazi University Journal of Gazi Educational Faculty (GUJGEF)*, 27(2), 109-122. [in Turkish]
3. Kızılcık, H. Ş. & Güneş, B. (2011). Developing three-tire misconception test about regular circular motion. *Hacettepe University Journal of Education*, 41, 278-292. [in Turkish]
4. Kızılcık, H. Ş. & Tan, M. (2011). Developing a multiple-choice item test about impulse and momentum. *Kastamonu Education Journal*, 19(1), 185-198. [in Turkish]
5. Kızılcık, H. Ş. (2013). The relationship between preferences among some synonym physics terms and conceptual perceiving of pre-service teachers. *Hacettepe University Journal of Education*, 28(3), 266-278. [in Turkish]
6. Kızılcık, H. Ş., Damlı, V. & Ünsal, Y. (2014). Physics in movies: awareness levels of teacher candidates. *Eurasia Journal of Mathematics, Science & Technology Education*, 10(6), 681-690. <http://doi.org/10.12973/eurasia.2014.1228a>
7. Kızılcık, H. Ş., Önder Çelikkanlı, N. & Güneş, B. (2015). Change of physics teacher candidates' misconceptions on regular circular motion by time. *Necatibey Faculty of Education Electronic Journal of Science and Mathematics Education*, 9(1), 205-223. [in Turkish] <http://doi.org/10.17522/nefemed.41287>
8. Ünlü Yavaş, P. & Kızılcık, H. Ş. (2016). Pre-service physics teachers' difficulties in understanding special relativity topics. *European Journal of Physics Education*, 7(1), 13-24. <http://doi.org/10.20308/ejpe.35814>
9. Temiz, B. K. & Kızılcık, H. Ş. (2016). Student opinions about dynamics of motion on friction inclined plane. *Journal of Research in Education and Society*, 3(2), 15-30. [in Turkish]

10. Kızılıcık, H. Ş. & Ünlü Yavaş, P. (2017). Pre-service physics teachers' opinions about the difficulties in understanding introductory quantum physics topics. *Journal of Education and Training Studies*, 5(1), 101-109. <http://doi.org/10.11114/jets.v5i1.2012>
11. Kızılıcık, H. Ş. & Tan M. (2017). The assessment of problem-based learning process by teacher candidates. *Gazi Journal of Educational Science*, 3(1), 1-16. [in Turkish]
12. Kızılıcık, H. Ş. & Ünlü Yavaş, P. (2017). Investigating the reasons of difficulty understanding of students in special relativity topics. *Cukurova University Faculty of Education Journal*, 46(2), 399-426. <http://doi.org/10.14812/cuefd.297883>
13. Kızılıcık, H. Ş., Damlı, V. & Önder Çelikkanlı, N. (2017). Comparison of independent physics laboratory courses in undergraduate physics education curriculums in Türkiye. *Journal of Research in Education and Society*, 4(2), 90-101. [in Turkish]
14. Kızılıcık, H. Ş. & Damlı, V. (2018). A simple Lissajous curves experimental setup. *Physics Education*, 53(3), 033003, 1-3. <http://doi.org/10.1088/1361-6552/aaab9e>
15. Ünlü Yavaş, P. & Kızılıcık, H. Ş. (2018). Investigating the causes of students' having difficulties in the introductory quantum physics topics. *Gazi University Journal of Gazi Educational Faculty (GUJGEF)*, 38(1), 35-73. [in Turkish]
16. Gülçiçek, Ç., Kızılıcık, H. Ş. & Damlı, V. (2018). Effects of laboratory experiments on physics teacher candidates' wave concepts. *Physics Education*, 53(5), 055018, 1-12. <https://doi.org/10.1088/1361-6552/aacd80>
17. Kızılıcık, H. Ş. & Tan, M. (2018). A qualitative research of the conceptual learning process of the heat concept. *Asia-Pacific Forum on Science Learning and Teaching*, 19(1), Article 14.
18. Ünsal, Y., Kızılıcık, H. Ş., Yarımkaya, D. (2018). The analysis of papers presented in physics education congress: Sample of Türkiye. *Journal of Science Teaching*, 6(2), 173-196. [in Turkish]
19. Kızılıcık, H. Ş., Çağan, S. & Ünlü Yavaş, P. (2018). Visitors' opinions for TUBITAK science fairs and the effect of these fairs on students' attitudes towards physics course. *Amasya Education Journal*, 7(2), 287-310. [in Turkish]
20. Kızılıcık, H. Ş., Çağan, S. & Ünlü Yavaş, P. (2019). Recognition levels of physics laboratory tools for ninth class students. *Elementary Education Online*, 18(1), 190-206. [in Turkish] <http://doi.org/10.17051/ilkonline.2019.527198>
21. Kızılıcık, H. Ş. & Damlı, V. (2019). An evaluation on terms of density and relative density in physics education. *Eurasia Term Journal*, 7(2), 14-20. [in Turkish] <https://doi.org/10.31451/ejatd.640555>
22. Kızılıcık, H. Ş. (2019). Analysing of the proficiency in basic mathematical operations of physics teacher candidates. *IBAD Journal of Social Sciences*, October Special Issue, 643-658. [in Turkish] <https://doi.org/10.21733/ibad.615578>
23. Çağan, S., Kızılıcık, H. Ş. & Ünlü Yavaş, P. (2020). Investigating the change of attitudes towards physics courses of students that participate in a TUBITAK science fair. *Gazi Journal of Educational Science*, 6(2), 168-184. [in Turkish] <https://doi.org/10.30855/gjes.2020.06.02.001>
24. Kızılıcık, H. Ş. (2021). Does binding energy bind? *Physics Education*, 56(3), 033005, 1-3. <https://doi.org/10.1088/1361-6552/abe5b7>
25. Kızılıcık, H. Ş. (2021). Superman vs Momentum. *Physics Education*, 56(4), 045006, 1-12. <https://doi.org/10.1088/1361-6552/abf46f>

26. Kızılıcık, H. Ş. (2021). An analogy on the difference between boiling and evaporation: A strange prison. *The Physics Teacher*, 59(8), 648-649.
<https://doi.org/10.1119/10.0006919>
27. Kızılıcık, H. Ş., Aygün, M., Şahin, E., Önder-Çelikkanlı, N., Türk, O., Taşkın, T., & Güneş B. (2021). Possible misconceptions about solid friction. *Physical Review Physics Education Research*, 17(2), 023107, pp.20.
<https://doi.org/10.1103/PhysRevPhysEducRes.17.023107>
28. Kızılıcık, H. Ş. (2022). Pseudo-scientific beliefs and knowledge of the nature of science in pre-service teachers. *International Journal of Research in Education and Science (IJRES)*, 8(4), 680-712.
<https://doi.org/10.46328/ijres.2899>
29. Kızılıcık, H. Ş. (2022). Overview of graduate thesis on education and training completed in Türkiye related to persons with disabilities. *The Journal of Turkish Educational Sciences*, 20(3), 973-995. [in Turkish]
<https://doi.org/10.37217/tebd.1135906>
30. Önder-Çelikkanlı, N. & Kızılıcık, H. Ş. (2022). A review of studies about four-tier diagnostic tests in physics education. *Journal of Turkish Science Education*, 19(4), 1291-1311.
<http://doi.org/10.36681/tused.2022.175>
31. Kızılıcık, H. Ş. (2023). A bibliometric analysis of articles on physics education in Turkey between 2010 and 2020. *Hacettepe University Journal of Education*, 38(3), 347-366.
<https://doi.org/10.16986/HUJE.2023.493>
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37. Kızılıcık, H. Ş., Aygün, M., Şahin, E., Türk, O., Önder-Çelikkanlı, N., & Damlı, V. (2024). Sustainable development in the 2018 physics curriculum in Türkiye: 9th and 10th grades. *The Journal of Turkish Educational Sciences*, 22(2), 944-970.
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Proceedings

1. Kızılıcık, H. Ş. & Güneş, B. (2006, Eylül). *Düzensiz dairesel hareket konusundaki kavram yanlışlarının üç aşamalı test ile tespit edilmesi*. Poster Presentation, VII. National Science and Mathematics Education Congress, Ankara, Türkiye. [in Turkish]

2. Temiz, B. K. & Kızılcık, H. Ş. (2006, Eylül). *Sürtünmeli eğik düzlemde harekette serbest cisim diyagramı çizme*. Poster Presentation, VII. National Science and Mathematics Education Congress, Ankara, Türkiye. [in Turkish]
3. Kızılcık, H. Ş. & Ünsal, Y. (2008, Ağustos). *Fizik öğretmeni adaylarının bazı eş anlamlı fizik kavramlarını algılama düzeyleri ve kullanım tercihleri: Bir durum çalışması*. Oral Presentation, VIII. National Science and Mathematics Education Congress, Bolu, Türkiye. [in Turkish]
4. Ünsal, Y., Ergin, İ. & Kızılcık, H. Ş. (2009, Mayıs). *Ortaöğretim fizik ders kitaplarının bilimsel model ve modellemeler bakımından analizi: Türkiye’de okutulan fizik ders kitapları örneği*. Poster Presentation, The 1st International Congress of Educational Research, Çanakkale, Türkiye. [in Turkish]
5. Şahin, E., Kızılcık, H. Ş., Önder, N., Damlı, V., Mert, V., Çopur, T. & Ünlü, P. (2010, Eylül). *Farklı bir laboratuvar yaklaşımının fizik öğretmen adayları üzerindeki etkisi*. Oral Presentation, Turkish Physical Society 27th International Physics Congress, İstanbul, Türkiye. [in Turkish]
6. Kızılcık, H. Ş. & Tan, M. (2011, April). *Bir PDÖ sürecinin öğretmen adayları tarafından değerlendirilmesi*. Oral Presentation, 2nd International Conference on New Trends in Education and Their Implications, Antalya, Türkiye. [in Turkish]
7. Damlı, V., Kızılcık, H. Ş. & Ünsal, Y. (2011, Mayıs). *İnformal eğitime bir örnek: Beyaz perdedeki fizik*. Oral Presentation, The 3rd International Congress of Educational Research, Girne, TRNC. [in Turkish]
8. Kızılcık, H. Ş., Önder N. & Güneş, B. (2012, Haziran). *Fizik öğretmen adaylarının düzgün dairesel hareket konusundaki kavram yanlışlarının değişimi*. Oral Presentation, X. National Science and Mathematics Education Congress, Niğde, Türkiye. [in Turkish]
9. Kızılcık, H. Ş. & Sarıdaş, N. (2012, Eylül). *Fizik ve fen bilgisi öğretmenliğine gelen öğretmen adaylarının bir deney tasarlama ve analiz etme ile ilgili bazı becerilerinin incelenmesi*. Oral Presentation, Turkish Physical Society 29th International Physics Congress, Muğla, Türkiye. [in Turkish]
10. Damlı, V., Kızılcık, H. Ş. & Sarıdaş, N. (2012, Eylül). *Fizik eğitimi öğretim elemanlarının mecaz yoluyla “fizik öğretmek” hakkındaki görüşleri*. Poster Presentation, Turkish Physical Society 29th International Physics Congress, Bodrum, Türkiye. [in Turkish]
11. Damlı, V. & Kızılcık, H. Ş. (2012, October). *Being scientific of information on the web about physics concepts: document analysis of Turkish content in Wikipedia*. Oral Presentation, 9th International Conference on Hands on Science, Antalya, Türkiye.
12. Mert, V., Kızılcık, H. Ş., Damlı, V., Gülçiçek, Ç. & Türk, O. (2013, Eylül). *Öğrenci merkezli bir laboratuvar dersinin öğretmen adaylarının elektrik ve manyetizmayla ilgili kavramlarına ve kavram önceliklerine etkisi*. Oral Presentation, Turkish Physical Society 30th International Physics Congress, İstanbul, Türkiye. [in Turkish]
13. Kızılcık, H. Ş., Mert, V., Damlı, V., Gülçiçek, Ç. & Türk, O. (2013, Eylül). *Öğrenci merkezli bir laboratuvar dersinin öğretmen adaylarının optik ve dalgalarla ilgili kavramlarına ve kavram önceliklerine etkisi*. Oral Presentation, I. National Physics Education Congress, Ankara, Türkiye. [in Turkish]
14. Kızılcık, H. Ş., Damlı, V. & Mert, V. (2014, Eylül). *İnternet’teki bilgilerin neden olabileceği kavram yanlışları: Vikipedi örneği*. Oral Presentation, XI. National Science and Mathematics Education Congress, Adana, Türkiye. [in Turkish]
15. Kızılcık, H. Ş. & Ünlü Yavaş, P. (2015, Eylül). *Öğrencilerin özel görelilik konularında zorlanma nedenlerinin araştırılması*. Oral Presentation, II. National Physics Education Congress, Ankara, Türkiye. [in Turkish]
16. Ünlü Yavaş, P. & Kızılcık, H. Ş. (2015, Eylül). *Öğrencilerin kuantum fiziğine giriş konularında zorlanma nedenlerinin araştırılması*. Oral Presentation, II. National Physics Education Congress, Ankara, Türkiye. [in Turkish]
17. Şahin, E., Aygün, M., Önder Çelikkanlı, N., Kızılcık, H. Ş., Taşkın, T., Damlı, V., Türk, O., Ünsal, G. & Güneş, B. (2016, Eylül). *Misconceptions about frictional force between solid surfaces*. Oral Presentation, Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye.

18. Kızılıcık, H. Ş. & Tan, M. (2017, Eylül). *Bir durum çalışması: Isı, sıcaklık ve ısı enerjisi kavramları arasındaki ilişkinin incelenmesi*. Oral Presentation, III. National Physics Education Congress, Ankara. [in Turkish]
19. Kızılıcık, H. Ş., Ünsal, Y. & Yarımkaaya, D. (2018, April). *Türkiye’de düzenlenen 2013, 2015 ve 2017 fizik eğitimi kongrelerinin içerik analizi*. Oral Presentation, 27th International Conference on Educational Sciences, Antalya, Türkiye. [in Turkish]
20. Kızılıcık, H. Ş., Çağan, S. & Ünlü Yavaş, P. (2018, June). *TÜBİTAK bilim fuarlarına ilişkin ziyaretçi görüşleri*. Oral Presentation, IV. International Symposium on Educational and Social Sciences in Turkish Cultural Geography, Baku, Azerbaijan. [in Turkish]
21. Kızılıcık, H. Ş., Ünlü Yavaş, P. & Çağan, S. (2018, June). *Dokuzuncu sınıf öğrencilerinin fizik laboratuvarı malzemelerini tanıma düzeyleri*. Oral Presentation, IV. International Symposium on Educational and Social Sciences in Turkish Cultural Geography, Baku, Azerbaijan. [in Turkish]
22. Kızılıcık, H. Ş. & Temiz, B. K. (2022, January). *Geçmişten Günümüze Fizik Öğretmeni Yetiştirme Programlarının İncelenmesi: Gazi Eğitim Fakültesi Örneği*. Oral Presentation, V. National Physics Education Congress (Online), İstanbul, Türkiye. [in Turkish]
23. Kızılıcık, H. Ş. (2022, June). *Türkiye’de Eğitim ve Öğretim Konulu Engellilerle İlgili Yapılmış Lisansüstü Tezlerin İncelenmesi*. Oral Presentation, IXth International Eurasian Educational Research Congress, 22-25 June 2022, Ege University, İzmir- Türkiye. [in Turkish]
24. Maden, N. & Kızılıcık, H. Ş. (2022, June). *2018 Ortaöğretim Fizik Dersi Öğretim Programına Uygun 9. Sınıf Fizik Ders Kitabında Kullanılan Model ve Modellemelerin İncelenmesi*. Oral Presentation, IXth International Eurasian Educational Research Congress, 22-25 June 2022, Ege University, İzmir-Türkiye. [in Turkish]
25. Sezen Cantaş, N. & Kızılıcık, H. Ş. (2023, June). *İlköğretim 6, 7, 8. sınıflarında öğrenim gören öğrencilerin fen bilimleri dersinde elektrik konusuna karşı tutumlarının sınıf düzeyine göre belirlenmesi*. Oral Presentation, Gazi University International Early Career Researchers Congress III, 19-21 June, Gazi University, Ankara-Türkiye. [in Turkish]
26. Kızılıcık, H. Ş., Aygün, M., Şahin, E., Damlı, V., Önder-Çelikkanlı, N., Türk, O. (2023, August). *Binding the sustainable development and the curriculum: the effect of a training for pre-service physics teachers*. The 15th Conference of European Science Education Research Association (ESERA), 28 August - 1 September, Nevşehir-Türkiye.
27. Aygün, M. & Kızılıcık, H. Ş. (2023, September). *Fizik dersi öğretim programının amaçlarıyla ses konusunun ilişki düzeyi*. International Education Congress, 20-23 September, Ankara University, Ankara-Türkiye.
28. Aygün, M. & Kızılıcık, H. Ş. (2023, September). *Bağlam temelli yaklaşımla fizik eğitiminde sürdürülebilir kalkınma*. 15. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi (UFBMEK-2023), 27-30 September, Kars Kafkas Üniversitesi, Kars-Türkiye.

Workshops

1. Kızılıcık, H. Ş., Önder Çelikkanlı, N., Damlı, V. & Damlı, S. (2016, Eylül). *Fizikte örnek deney etkinlikleri*. Workshop, XII. National Science and Mathematics Education Congress, Trabzon, Türkiye. [in Turkish]

Citations

- Number of Total Citations: **346**
Cited by: Web of Science 38 + SCOPUS 20 + International Field Indexes 44 + Other International Indexes 38 + National Index: TR-Dizin 38 + Other National Indexes 11 + International Books 4 + National Books 7 + International Proceedings 20 + National Proceedings 2 + Foreign Graduate Thesis 19 + Domestic Graduate Thesis 105

Source	h-index	i10-index	i20-index	g-index
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Real	11	12	5	16
Web of Science	3			
Scopus	4			
Google Scholar	10	11		
Semantic Scholar	5			
ResearchGate	7			
TR-Dizin	3			
SOBİAD	6	2		

Other (Non-Academic) Publications

1. Kızılcık, H. Ş. (2018). *Nativisation guide: The main lines of nativisation in Turkish*, İstanbul: Kutlu Publishing. ISBN: 605-967-264-1 [in Turkish]
2. Kızılcık, H. Ş. (2022). Chapter: Turkish language unity problems and solutions for national integrity (s.77-81). Övgün Ahmet Ercan (Ed.) *If the Interior Collapses, the Country Collapses*. İstanbul: Sözcü Publishing. ISBN: 978-605-73683-1-7 [in Turkish]

TEACHING EXPERIENCE

Course Code	Title of Course	T/P	Per.	Cr.	Level	Semester
ENFO101	Informatics I (Economics)	T	2	0	Undergraduate	2005-2006 Fall Semester
ENFO101	Informatics I (Economics)	T	2	0	Undergraduate	2005-2006 Fall Semester
ENFO101	Informatics I (Business)	T	2	0	Undergraduate	2005-2006 Fall Semester
ENFO101	Informatics I (Business)	T	2	0	Undergraduate	2005-2006 Fall Semester
ENFO101	Informatics I (Political Sci. and Public Adm.)	T	2	0	Undergraduate	2005-2006 Fall Semester
ENFO101	Informatics I (Political Sci. and Public Adm.)	T	2	0	Undergraduate	2005-2006 Fall Semester
FZ106A	Mechanics Laboratory II	P	2	2	Undergraduate	2018-2019 Spring Semester
MFZ104A	Mechanics Laboratory II	P	2	3	Undergraduate	2018-2019 Spring Semester
FZ208A	Electromagnetism Laboratory	P	4	3	Undergraduate	2018-2019 Spring Semester
FZ210A	Optics Laboratory	P	2	3	Undergraduate	2018-2019 Spring Semester
FZ218A	Elective I: Physics of Atmosphere	T	2	2	Undergraduate	2018-2019 Spring Semester
BİL101	Informatics	T	3	2	Undergraduate	2019-2020 Fall Semester
FZÖ103	Mechanics Laboratory 1 (A)	P	2	2	Undergraduate	2019-2020 Fall Semester
FZ213GK	Elective I: Science Ethics	T	2	3	Undergraduate	2019-2020 Fall Semester
FZ313A	Secondary School Physics Experiments I (A)	P	2	3	Undergraduate	2019-2020 Fall Semester
FZ405A	Technical Electricity Laboratory	P	2	2	Undergraduate	2019-2020 Fall Semester
FZ419GK	Elective III: Science and Society	T	2	3	Undergraduate	2019-2020 Fall Semester
FBÖ205	Physics 3 (B)	T/P	2+2	5	Undergraduate	2019-2020 Fall Semester
GKS111	Media Literacy	T	2	3	Undergraduate	2019-2020 Fall Semester
ADS165	Language of Science: Turkish	T	2	2	Undergraduate	2019-2020 Fall Semester
ADS172	Gokturk Scripts	T	2	2	Undergraduate	2019-2020 Fall Semester
FZÖ-60(YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2019-2020 Fall Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2019-2020 Fall Semester
FZ218A	Elective I: Physics of Atmosphere	T	2	2	Undergraduate	2019-2020 Spring Semester
FZ312A	Secondary School Physics Experiments II (A)	P	2	3	Undergraduate	2019-2020 Spring Semester

<i>Course Code</i>	<i>Title of Course</i>	<i>T/P</i>	<i>Per.</i>	<i>Cr.</i>	<i>Level</i>	<i>Semester</i>
FZ312A	Secondary School Physics Experiments II (B)	P	2	3	Undergraduate	2019-2020 Spring Semester
FZÖ104	Mechanics Laboratory 2 (B)	P	2	3	Undergraduate	2019-2020 Spring Semester
İM206A	Algorithm and Programming (A)	T	2	2	Undergraduate	2019-2020 Spring Semester
İM206A	Algorithm and Programming (B)	T	2	2	Undergraduate	2019-2020 Spring Semester
İM206A	Algorithm and Programming (C)	T	2	2	Undergraduate	2019-2020 Spring Semester
GKS111	Media Literacy	T	2	2	Undergraduate	2019-2020 Spring Semester
GKS103	History and Philosophy of Science	T	2	3	Undergraduate	2019-2020 Spring Semester
FZK-242(YL)	Seminar	P	2	5	Graduate	2019-2020 Spring Semester
FZÖ-60(YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2019-2020 Spring Semester
FZÖ-60(DR)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2019-2020 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2019-2020 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2019-2020 Spring Semester
BİL101	Informatics	T	3	2	Undergraduate	2020-2021 Fall Semester
FZ419GK	Elective III: Science and Society	T	2	2	Undergraduate	2020-2021 Fall Semester
FİZ513A	Elective: Science, Technology and Society	T	2	5	Undergraduate	2020-2021 Fall Semester
GKS103	History and Philosophy of Science	T	2	3	Undergraduate	2020-2021 Fall Semester
GKS111	Media Literacy	T	2	3	Undergraduate	2020-2021 Fall Semester
-	Physics I-II (26A/41A)	T	4	4	Undergraduate	2020-2021 Fall Semester
-	Physics I-II (30A)	T	4	4	Undergraduate	2020-2021 Fall Semester
FZÖ-60(YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2020-2021 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2020-2021 Fall Semester
FZ218A	Elective I: Physics of Atmosphere	T	2	2	Undergraduate	2020-2021 Spring Semester
FZ312A	Secondary School Physics Experiments II	P	2	3	Undergraduate	2020-2021 Spring Semester
FZÖ304	Laboratory Applications in Physics Educ.-2 (B)	P	2	2	Undergraduate	2020-2021 Spring Semester
BİL101	Informatics	T	3	5	Undergraduate	2020-2021 Spring Semester
GKS103	History and Philosophy of Science	T	2	3	Undergraduate	2020-2021 Spring Semester
GKS111	Media Literacy (A)	T	2	3	Undergraduate	2020-2021 Spring Semester
GKS111	Media Literacy (B)	T	2	3	Undergraduate	2020-2021 Spring Semester
FZÖ-60(YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2020-2021 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2020-2021 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2020-2021 Spring Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2020-2021 Spring Semester
BİL-101	Informatics	T	2	2	Undergraduate	2021-2022 Fall Semester
FZ213GK	Elective I: Science Ethics	T	2	2	Undergraduate	2021-2022 Fall Semester
FZ419GK	Elective III: Science and Society	T	2	2	Undergraduate	2021-2022 Fall Semester
GKS111	Media Literacy	T	2	3	Undergraduate	2021-2022 Fall Semester
-	Physics I (8A)	T	4	3	Undergraduate	2021-2022 Fall Semester
-	Physics I (12)	T	4	3	Undergraduate	2021-2022 Fall Semester
FZÖ-60(YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2021-2022 Fall Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2021-2022 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2021-2022 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2021-2022 Fall Semester
EB-103	Research Methodology in Education	T	2	3	Undergraduate	2021-2022 Spring Semester
EB108	Research Methodology in Education	T	2	3	Undergraduate	2021-2022 Spring Semester

<i>Course Code</i>	<i>Title of Course</i>	<i>T/P</i>	<i>Per.</i>	<i>Cr.</i>	<i>Level</i>	<i>Semester</i>
FZ218A	Elective I: Physics of Atmosphere	T	2	2	Undergraduate	2021-2022 Spring Semester
GKS111	Media Literacy	T	2	3	Undergraduate	2021-2022 Spring Semester
-	Physics – II (3)	T	3	3	Undergraduate	2021-2022 Spring Semester
-	Physics – II (8A)	T	3	3	Undergraduate	2021-2022 Spring Semester
FZÖ-60(YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2021-2022 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2021-2022 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2021-2022 Spring Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2021-2022 Spring Semester
FİZÖ-267	Elective II: Science and Society	T	2	4	Undergraduate	2022-2023 Fall Semester
FZ315MB	Program Developing and Instruction	T	2	3	Undergraduate	2022-2023 Fall Semester
BİL101G	Informatics	T	3	5	Undergraduate	2022-2023 Fall Semester
BİL-101	Informatics	T	2	2	Undergraduate	2022-2023 Fall Semester
GKS111	Media Literacy	T	2	3	Undergraduate	2022-2023 Fall Semester
FZK-60 (YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2022-2023 Fall Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2022-2023 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2022-2023 Fall Semester
BİYO-102	Fundamental Physics	T	2	3	Undergraduate	2022-2023 Spring Semester
EB-103	Research Methodology in Education	T	2	3	Undergraduate	2022-2023 Spring Semester
EB108	Research Methodology in Education	T	2	3	Undergraduate	2022-2023 Spring Semester
FİZÖ-262	Elective IV: Physics of Atmosphere	T	2	3	Undergraduate	2022-2023 Spring Semester
GKS-111	Media Literacy	T	2	2	Undergraduate	2022-2023 Spring Semester
GKS-129	Cultural History of Science	T	2	2	Undergraduate	2022-2023 Spring Semester
FZK-60 (YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2022-2023 Spring Semester
FZK-60 (DR)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2022-2023 Spring Semester
24209	Advising for Master Thesis	T/P	3+1	5	Graduate	2022-2023 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	30	Graduate	2022-2023 Spring Semester
14209	Advising for Master Thesis	T/P	3+1	30	Graduate	2022-2023 Spring Semester
İMTÖ-105	Fundamental Physics	T	3	4	Undergraduate	2023-2024 Fall Semester
BİL-101	Informatics	T	2	2	Undergraduate	2023-2024 Fall Semester
GKS111	Media Literacy	T	2	2	Undergraduate	2023-2024 Fall Semester
GKS-129	Cultural History of Science	T	2	2	Undergraduate	2023-2024 Fall Semester
FZK-60 (YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2023-2024 Fall Semester
FZK-60 (DR)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2023-2024 Fall Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2023-2024 Fall Semester
14209	Advising for Master Thesis	T/P	3+1	5	Graduate	2023-2024 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2023-2024 Fall Semester
EB-102	Instructional Technologies	T	2	3	Undergraduate	2023-2024 Spring Semester
EB107	Instructional Technologies	T	2	3	Undergraduate	2023-2024 Spring Semester
FİZÖ-262	Elective IV: Physics of Atmosphere	T	2	3	Undergraduate	2023-2024 Spring Semester
FİZÖ-358	Elective VI: Physics of Music	T	2	4	Undergraduate	2023-2024 Spring Semester
GKS-111	Media Literacy	T	2	2	Undergraduate	2023-2024 Spring Semester
GKS-129	Cultural History of Science	T	2	2	Undergraduate	2023-2024 Spring Semester
FZK-60 (YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2023-2024 Spring Semester
FZK-60 (DR)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2023-2024 Spring Semester

<i>Course Code</i>	<i>Title of Course</i>	<i>T/P</i>	<i>Per.</i>	<i>Cr.</i>	<i>Level</i>	<i>Semester</i>
24209	Advising for Master Thesis	T/P	3+1	5	Graduate	2023-2024 Spring Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2023-2024 Spring Semester
FİZÖ-267	Elective II: Science and Society	T	2	4	Undergraduate	2024-2025 Fall Semester
FİZÖ-311	Secondary School Physics Experiments I (A)	P	2	2	Undergraduate	2024-2025 Fall Semester
FİZÖ-311	Secondary School Physics Experiments I (B)	P	2	2	Undergraduate	2024-2025 Fall Semester
FZÖ304	Laboratory Applications in Physics Educ.-1	P	2	2	Undergraduate	2024-2025 Fall Semester
İMTÖ-105	Fundamental Physics	T	3	4	Undergraduate	2024-2025 Fall Semester
BİL-101	Informatics	T	2	2	Undergraduate	2024-2025 Fall Semester
GKS111	Media Literacy	T	2	2	Undergraduate	2024-2025 Fall Semester
GKS-129	Cultural History of Science	T	2	2	Undergraduate	2024-2025 Fall Semester
FZK-60 (YL)	Scientific Research Methodology and Ethics	T	3	6	Graduate	2024-2025 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2024-2025 Fall Semester
24209	Advising for Master Thesis	T/P	3+1	30	Graduate	2024-2025 Fall Semester

* *T/P: Theoretical/Practice; Per.: Period (Theoretical+Practice); Cr.: Credit*