**2023-2024 PHYSICS TENURE-LINE FACULTY ANNUAL REPORT**

Summarize your activities for the period May 8, 2023 through May 7, 2024. Respond concisely in each category, indicating “NONE” in categories with no activity.

Faculty Annual Reports are due on May 7, 2024. You may request in writing a 21-day extension from your chair/director.

**DUE ON MAY 7, 2024**

**NAME:**

**DATE:**

**A. Teaching Activities**

1. Classroom Instruction

***Do not list Directed Studies, Independent Studies, Dissertation Hours, and Thesis Hours. Information about them goes into other sections of the report.***

List regularly scheduled courses taught in this reporting period.

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| --- | --- | --- | --- | --- |
| Term | Course Number | Course Title | Enrollment | Student Credit Hours |
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1. Are your syllabi in compliance with university and departmental standards, and are they available for review on the department’s Teams Group?

[ ] YES
[ ] NO

1. Are your end-of-term course packs available on the Department’s Group on Teams? Navigate to the Course Packs channel on UCFTeam-Physics-Faculty\_GRP, select Files, your name, and upload to a folder for the appropriate semester. Please do not check YES unless you have done this. Each course pack should include the syllabus, grade distributions, and examples of exams or other assessment tools. They do not need to include all course materials. **Do not upload Webcourses course archive files.**

[ ] YES
[ ] NO

1. Comment on, and provide context for, the SPI results you received for each course listed above, as well as the grade distribution in each regularly scheduled course you taught. The distributions of grades you gave for each course should be in the respective course pack and can be included here as well.

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1. Other evidence of teaching effectiveness:

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1. Have you requested a peer evaluation during the reporting period? If you have, please attach it to this report. If you received an evaluation from FCTL, please attach their acknowledgment (not their evaluation) indicating what was done, for which course, and on what date(s).

[ ] YES
[ ] NO

2. Directing Graduate Students

1. List all MS thesis and PhD dissertation **supervisions** for this reporting period. Add or remove rows needed. Include only those students for whom you are the research supervisor.

**Do not list those for whom you are on the committee but not the formal supervisor of the research.**

**Do not list Directed Research or Independent Study classes here**, those go in (b) and (c), respectively.

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| --- | --- | --- | --- |
| Student Name | Degree Program | Project Title | Statement of Progress |
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1. List all graduate directed research supervisions for this reporting period. Do not repeat supervisions of dissertations and theses reported in (a). This is for formal listing as instrctor of record for Directed Research courses. Add or remove rows as needed.

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| --- | --- | --- | --- |
| Student Name | Degree Program | Project or Study Title | Term |
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1. List all graduate independent study supervisions for this reporting period. This is for formal listing as instructor of record for Independent Study courses only. Add or remove rows as needed.

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| Student Name | Degree Program | Project or Study Title | Term |
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1. List all publications by graduate students **under your supervision** during the reporting period. Indicate your students in the list of authors with an asterisk. If you are indicating student authors here, those students should be listed in 2. (a), (b), or (c) above or in 6 (a) below as a student you supervised.

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| *Please include authors, publication title, journal reference, etc.* EXAMPLE:A. B. Junior\* and C. D. Senior, *Unbendable Superstrings*, Phys. Rev. D, vol. 334, p. 759-781 (2018).1.
2.
3.
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1. List all conference presentations by graduate students under your supervision during the reporting period. Indicate your students in the list of authors with an asterisk. If you are indicating student authors here, those students should be listed in 2. (a), (b), or (c) above or in 6 (a) below as a student you supervised.

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| *Please include authors, publication title, and conference information.*EXAMPLE: Z. W. Genial\* and K. L. Astuto, *Superconducting Rubber*, International Conference on New Materials, MRS International (London, U.K., January 2019).1.
2.
3.
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1. List all awards received by graduate students under your supervision during the reporting period. Indicate your students in the list of authors with an asterisk. If you are indicating student award winners here, those students should be listed in 2. (a), (b), or (c) above or in 6 (a) below as a student you supervised.

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| *Please include award information such awarding entity, date, event, cash amount (if applicable), etc.*EXAMPLE: T. E. Guy, 1st prize, Best poster, UG Showcase, UCF, April 1st, 2019. $100 cash prize.1.
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3.
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3. Directing Undergraduate Students

1. List all Honors in the Major thesis supervisions during the reporting period.

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| --- | --- | --- | --- |
| Student Name | Major | Thesis Title | Presentation Date |
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1. List all undergraduate directed research supervisions during the reporting period. This is for formal listing as instructor of record for a directed research course. Add rows if necessary.

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| Student Name | Project or Study Title | Term | Student Credit Hours |
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1. List all undergraduate independent study supervisions during the reporting period.

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| --- | --- | --- |
| Student Name | Course Number and Title | Student Credit Hours |
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1. List all publications by undergraduate students under your supervision during the reporting period. Indicate your students in the list of authors with an asterisk. If you are indicating student authors here, those students should be listed in 3 (a), (b), or (c) above or in 6 (a) below as a student you supervised. If not, add an explanation.

|  |
| --- |
| *Please include authors, publication title, journal reference, etc.* EXAMPLE:A. B. Junior\* and C. D. Senior, *Unbendable Superstrings*, Phys. Rev. D, vol. 334, p. 759-781 (2018).1.
2.
3.
 |

1. List all conference presentations by undergraduate students under your supervision during the reporting period. Indicate your students in the list of authors with an asterisk. If you are indicating student authors here, those students should be listed in 3 (a), (b), or (c) above or in 6 (a) below as a student you supervised. If not, add an explanation.

|  |
| --- |
| *Please include authors, publication title, and conference information.*EXAMPLE: Z. W. Genial\* and K. L. Astuto, *Superconducting Rubber*, International Conference on New Materials, MRS International (London, U.K., January 2019).1.
2.
3.
 |

1. List all award received by undergraduate students under your supervision during the reporting period. Indicate your students in the list of authors with an asterisk. If you are indicating student award winners here, those students should be listed in 3 (a), (b), or (c) above or in 6 (a) below as a student you supervised. If not, add an explanation.

|  |
| --- |
| *Please include award information such awarding entity, date, event, cash amount (if applicable), etc.*EXAMPLE: T. E. Guy, 1st prize, Best poster, UG Showcase, UCF, April 1st, 2019. $100 cash prize.1.
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4. Curriculum & Course Development

1. Describe any major course initiatives or revisions during the evaluation period.

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1. Describe any development of teaching laboratories during the evaluation period.

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1. Describe any introduction and teaching of new courses during the evaluation period.

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1. Describe any introduction of new teaching and assessment methodologies during the evaluation period.

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1. List all pedagogical articles, textbooks, and laboratory manuals you have authored during the evaluation period.

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| *Please include authors, publication title and reference, nature of the product, etc.*EXAMPLE: F. G. Rosso and R. T. Gialo, *Measuring the radius of the moon.* Chapter in the introductory astronomy lab manual. Department of Physics, UCF (2018).1.
2.
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1. List all web-based courses and materials you have developed during the reporting period.

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| *Please include authors, publication title and reference, nature of the product, etc.*EXAMPLE: S. T. Grunz, New Sections for an Online Course on Radio Astronomy (UCF Webcourses, 2019).1.
2.
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5. Grants & Contracts Supporting Teaching

1. List all grants to support teaching **that were active** during the reporting period. Add more tables as needed.

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| --- | --- |
| New Award? |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Sponsor |  |
| Grant number |  |
| Beginning and End Dates |  |
| Total $ Value of Award |  |
| $ Amount credited to you |  |
| Percentage credited to you |  |
| Other information |  |

1. List all proposals to support teaching **that were submitted** during the reporting period. Add more tables as needed.

|  |  |
| --- | --- |
| Status |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Sponsor |  |
| Proposed Duration |  |
| Date submitted |  |
| Selected (yes, no, pending) |  |
| Total $ Value of Award |  |
| $ Amount credited to you |  |
| Percentage credited to you |  |
| Other information |  |

6. Supplemental Instruction

1. List all student mentoring not already reported items 2 or 3 above. Add more rows as needed.

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| --- | --- | --- | --- | --- |
| Student Name | Level | Degree Program | Nature of Supervision | Other Information |
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1. If help sessions for students were conducted during the reporting period, explain.

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1. If teaching outside a structured course took place during the reporting period, explain.

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1. If you coordinated multi-section classes or laboratories, explain.

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7. Other

a) List all attendances to conference and workshops with the objective of improving your teaching and student learning during the reporting period.

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b) List all presentations in conferences and workshops about your own teaching during the reporting period.

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| *Please include authors, title, nature of the product or participation, etc.*EXAMPLE: Z. P. Lock, *How I teach my students*, American Association of Physics Teachers Annual Conference (Orlando, FL, October 2018).1.
2.
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**B. Research and Creative Activities**

1. Scholarly Work

**Please, fill in the following table before listing your scholarly productivity** (these numbers are reported to COS). Count only those published during the reporting period.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Number of peer-reviewed, published journal articles | Number of peer-reviewed conference abstracts and proceedings | Number of non-peer-reviewed, contributed abstracts and proceedings | Number of book chapters | Number of peer-reviewed conference presentations | Number of contributed conference presentations | Number of invited presentations | Number of patents or trademarks (applied or awarded) |
|  |  |  |  |  |  |  |  |

1. List all papers published or accepted in peer-reviewed journals or conference proceedings listed in ISI Web of Science or in other indexing organization pertinent to your research focus. **List only papers published or accepted during the reporting period.**

|  |
| --- |
| *Please include authors, title, journal reference, DOI (if available).*EXAMPLE: M. D. Smart and G. E. Expert, *New theory of everything*, Phys. Rev. Z, vol. 314, p. 159-265 (2019). DOI: 10.111/PhysRevZ.314.1591.
2.
3.
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1. List all refereed books or chapters published during the reporting period.

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| *Please include authors, title, publisher, ISBN, etc.*EXAMPLE: A. B. Supersmart, *The Spherical Cow Approximation* (Dairy University Press, Greenfield, 2018). ISBN: 977-0474747259.1.
2.
3.
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1. List all other publications during the reporting period.

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| *Please include authors, publication title, reference.*EXAMPLE: E. T. Verysmart and H. G. Evenmore, *Room-temperature superconductors*, arXiv:1905.001 (preprint).1.
2.
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1. List all papers submitted but not yet accepted for publication during the reporting period.

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| *Please include authors, publication title, journal, and status.*EXAMPLE: Y. F. Redwine and R. C. Bluegrass*, Underground plasmas*, submitted to Reviews of Modern Geophysics (October, 2018). Under review.1.
2.
3.
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1. How many citations did you receive during the reporting period **as reported in the ISI Web of Sciences (do not use Google Scholar)**. Note: this is not your total career citations, but the number of citations your work got during the reporting period. You can estimate this number by using the calendar year 2023.

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1. Describe any **increase** in the H (Hirsch) factor over the evaluation period **as reported in the ISI Web of Science (do not use Google Scholar)**.

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1. List any other submission of research articles not reported in item (d) above.

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| *Please include authors, title, journal, book, or publisher, status.*EXAMPLE: T. D. Knowsall, *Latest results on quantum teleportation*. Invited book chapter. Oxford Press (December 2018). Under review.1.
2.
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1. List all contributed presentations in national or international conferences and workshops given during the reporting period. Indicate if they were peer reviewed.

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| *Please include authors, title, event, location, date.*EXAMPLE: M. Student and N. Professor, *What we did last summer*, APS March Meeting (New Orleans, LA, March 2019).1.
2.
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1. List all invited conference and workshop presentations given during the reporting period.

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| *Please include title, event, organizer, location, date.*EXAMPLE: Z. W. Young, *Lots of new data*, International Conference of Assistant Professors, American Association of New Faculty (Orlando, FL, April 2019).1.
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1. List all invited seminars given at other research institutions during the reporting period.

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| *Please include title, institution, date.*EXAMPLE: B.I.G. Shot, *Why is the sky blue?*, colloquium, Department of Physics, University of New Horizons (Bigskye, MT, August 2018).1.
2.
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1. List all filing of patents during the reporting period.

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| *Please include inventors, title, country/agency, date, number.*EXAMPLE: C. Lightweight and D. Heavyweight, *Systems and methods for determining atomic masses*, filed with the US Patent Office on October 1st, 2018. No. 4,475,333.1.
 |

1. List all disclosures of inventions during the reporting period.

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| *Please include inventors, title, date.*EXAMPLE: C. Lightweight and D. Heavyweight, *Systems and methods for determining atomic numbers*. July 1st, 2018.1.
2.
 |

2. Research Grants & Contracts

1. List all grants and contracts awarded to you as PI or Co-PI during the reporting period. Add more tables as needed.

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| --- | --- |
| New Award? |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Sponsoring Agency |  |
| Grant number |  |
| Beginning and End Dates |  |
| Total $ Value of Award |  |
| $ Amount credited to you |  |
| Percentage credited to you |  |
| Other information |  |

1. List all research proposals submitted during the reporting period. Add more tables as needed.

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| --- | --- |
| Status |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Sponsor |  |
| Proposed Duration |  |
| Date submitted |  |
| Total $ Value of Award |  |
| $ Amount credited to you |  |
| Percentage credited to you |  |
| Other information |  |

1. List all internal awards received as PI or Co-PI during the reporting period. Add more tables as needed.

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| New Award? |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Sponsor |  |
| Proposed Duration |  |
| Date submitted |  |
| Total $ Value of Award |  |
| $ Amount credited to you |  |
| Percentage credited to you |  |
| Other information |  |

1. List all participations in external grants and contracts as non-PI or non-Co-PI during the reporting period. Add more tables as needed.

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| --- | --- |
| Status |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Your role |  |
| Sponsor |  |
| Proposed Duration |  |
| Date submitted |  |
| Total $ Value of Award |  |
| $ Amount credited to you |  |
| Percentage credited to you |  |
| Other information |  |

1. List all awards of facility time in observatories, national laboratories, supercomputers, etc, or flight opportunities during the reporting period. Add more tables as needed.

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| Nature of award |  |
| Title of Project |  |
| Principal investigator |  |
| Co-PIs |  |
| Your role |  |
| Sponsor |  |
| Date submitted |  |
| Total $ Value of Award |  |
| Other information |  |

3. Awards of Fellowships, Grants, and Consulting Contracts Outside the University that Enable Research

List these items in the box below.

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4. Supervision of Post-Doctoral Associates, Fellows, and Research Personnel other than Graduate Students

List all supervisions of research personnel other than graduate students during the reporting period. Add more rows as needed.

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| Supervisee Name | Level | Nature of Supervision | Other Information |
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- Additional item (required by the College of Sciences): Briefly describe the impact of your work from previous years on this evaluation period.

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**C. Service**

1. Service to the Department

1. List and explain your leadership of departmental committees during the reporting period.

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1. List and explain your membership in departmental committees during the reporting period.

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1. List and explain any exceptional activity in departmental committees during the reporting period.

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1. List and explain any oversight of major departmental facilities during the reporting period.

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1. List and explain other non-assigned activities such as recruitment, advising, and departmental governance during the reporting period.

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1. List and explain any facilitation of donation of major facility or equipment during the reporting period.

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1. Which, if any, commencement ceremonies did you attend as faculty during the reporting period?

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2. Service Outside the Department

Define all acronyms and abbreviations on their first use.

1. List and explain all service on College and University committees during the evaluation period.

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1. List and explain any involvement in interdisciplinary and interdepartmental activities.

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3. Memberships on Thesis and Dissertation Committees

List all memberships on thesis and dissertation committees during the reporting period. Add more rows as needed.

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| --- | --- | --- | --- | --- |
| Student Name | Level | Degree Program | Advisor | Defense date |
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4. Service to the Profession

Define all acronyms and abbreviations on their first use.

1. List any editorial role in scholarly journals during the reporting period.

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1. List any reviewing of manuscripts for scholarly journals and conference proceedings during the reporting period.

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1. List any service on review panels for funding agencies and user facilities during the reporting period.

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1. List any reviewing of proposals for funding agencies during the reporting period.

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1. List any service as an office or committee member for professional societies during the reporting period.

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1. List any chairing of conference sessions during the reporting period.

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1. List any organization of conferences, workshops, summer schools, and technical sessions during the reporting period.

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5. Service and Outreach to Elementary and Secondary Schools or the Community

List and explain all outreach efforts to K-12 schools and the community during the reporting period.

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**D. Other**

If you were assigned duties not covered in Sections I, II, and III, provide a separate description of your activities, as instructed by the department chair.

- Additional item (required by the College of Sciences): Briefly describe the value of your main accomplishments during the reporting period in a language accessible to the public. Include a description of any honors or awards won by you or your students.

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