COVER SHEET FOR FACULTY AFFAIRS COMMITTEE SPECIAL SCHOLARLY LEAVE/ SPECIAL TEACHING LEAVE

Name:

Department:

Semester Requesting Special Leave:

Choose Semester

Application for:

Special Scholarly Leave ☐

Special Teaching Leave ☐

If other please explain:

Rank of the applicant applying for a Special Leave:

☐ Assistant Professor ☐ Associate Professor ☐ Full Professor

If other please explain:

Number of years at Hofstra as a full-time faculty member:

Have you ever been granted a Special Leave at Hofstra University? ☐ Yes ☐ No

If yes: Date(s) of previous Special Leave(s) taken:

Please explain the outcome(s) of the previous Special Leave(s):

COVER SHEET FOR FACULTY AFFAIRS COMMITTEE
SPECIAL LEAVES

Attach an Abstract/Summary of the proposal for a Special Leave (No longer than 250 words): Please be sure to include a description of the project and significance of proposed research. **If you are applying for a special scholarly leave, please refer to the attachments to complete the following information:**

Type of Research - Experimental, Basic or Applied?

Discipline:

Sub-discipline:

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SPECIAL LEAVES

Proposed outcomes of the Special Leave (article, review, field study, etc):

Examples		
Basic research	**Applied research**	**Experimental development**
A researcher is studying the properties of human blood to determine what affects coagulation.	A researcher is conducting research on how a new chicken pox vaccine affects blood coagulation.	A researcher is conducting clinical trials to test a newly developed chicken pox vaccine for young children.
A researcher is studying the properties of molecules under various heat and cold conditions.	A researcher is investigating the properties of particular substances under various heat and cold conditions with the objective of finding longer-lasting components for highway pavement.	A researcher is working with state transportation officials to conduct tests of a newly developed highway pavement under various types of heat and cold conditions.
A researcher is investigating the effect of different types of manipulatives on the way first graders learn mathematical strategy by changing manipulatives and then measuring what students have learned through standardized instruments.	A researcher is studying the implementation of a specific math curriculum to determine what teachers needed to know to implement the curriculum successfully.	A researcher is developing and testing software and support tools, based on fieldwork, to improve mathematics cognition for student special education.

Examples of Disciplines: Computer and Information Sciences and Engineering Fields of R&D

A. Computer and Information Sciences

- Artificial intelligence
- Computer and information technology administration and management
- Computer science
- Computer software and media applications
- Computer systems analysis
- Computer systems networking and telecommunications
- Data processing
- Information sciences, studies
- Information technology

B. Engineering

1. Aerospace, Aeronautical, and Astronautical Engineering

- Aerodynamics
- Aerospace engineering
- Space technology

2. Bioengineering and Biomedical Engineering

- Biological and biosystems engineering
- Biomaterials engineering
- Biomedical technology
- Medical engineering

3. Chemical Engineering

- Biochemical engineering
- Chemical and biomolecular engineering
- Engineering chemistry
- Paper science
- Petroleum refining process
- Polymer, plastics engineering

4. Civil Engineering

- Architectural engineering
- Construction engineering
- Engineering management, administration
- Environmental, environmental health engineering
- Geotechnical and geoenvironmental engineering
- Sanitary engineering
- Structural engineering
- Surveying engineering
- Transportation and highway engineering
- Water resources engineering

5. Electrical, Electronic, and Communications Engineering

- Communications engineering
- Computer engineering
- Computer hardware engineering
- Computer software engineering
- Electrical and electronics engineering
- Laser and optical engineering
- Power
- Telecommunications engineering

6. Industrial and Manufacturing Engineering

- Industrial engineering
- Manufacturing engineering
- Operations research
- Systems engineering

7. Mechanical Engineering

- Electromechanical engineering
- Mechatronics, robotics, and automation engineering

8. Metallurgical and Materials Engineering

- Ceramic sciences and engineering
- Geophysical, geological engineering
- Materials engineering
- Metallurgical engineering
- Mining and mineral engineering
- Textile sciences and engineering
- Welding

9. Other Engineering

- Agricultural engineering
- Engineering design
- Engineering mechanics, physics, and science
- Engineering physics
- Engineering science
- Forest engineering
- Nanotechnology
- Naval architecture and marine engineering
- Nuclear engineering
- Ocean engineering
- Petroleum engineering

Other engineering fields that cannot be classified using the fields listed above

Examples of Disciplines: Geosciences, Atmospheric Sciences, and Ocean Sciences Fields of R&D

C. Geosciences, Atmospheric Sciences, and Ocean Sciences

1. Atmospheric Science and Meteorology

- Aeronomy
- Atmospheric chemistry and climatology
- Atmospheric physics and dynamics
- Extraterrestrial atmospheres
- Meteorology
- Solar
- Weather modification

2. Geological and Earth Sciences

- Earth and planetary sciences
- Geochemistry
- Geodesy and gravity
- Geology
- Geomagnetism
- Geophysics and seismology
- Hydrology and water resources
- Mineralogy and petrology
- Paleomagnetism
- Paleontology
- Physical geography
- Stratigraphy and sedimentation
- Surveying

3. Ocean Sciences and Marine Sciences

- Biological oceanography
- Geological oceanography
- Marine biology
- Marine oceanography
- Marine sciences
- Oceanography, chemical and physical

4. Other Geosciences, Atmospheric Sciences, and Ocean Sciences

Other fields that cannot be classified using the fields listed above

Examples of Disciplines: Life Sciences Fields of R&D

D. Life Sciences

1. Agricultural Sciences

- Agricultural business and management
- Agricultural chemistry
- Agricultural engineering—report in Engineering
- Agricultural production operations
- Animal sciences
- Applied horticulture and horticultural business services
- Aquaculture
- Food science and technology
- International agriculture
- Plant sciences
- Soil sciences
- Veterinary biomedical and clinical sciences
- Veterinary medicine
- Wood science

2. Biological and Biomedical Sciences

- Allergies and immunology
- Biochemistry, biophysics, and molecular biology
- Biogeography
- Biology and biomedical sciences, general
- Biomathematics, bioinformatics, and computational biology
- Biotechnology
- Botany and plant biology
- Cell, cellular biology, and anatomical sciences
- Epidemiology, ecology and population biology
- Food, nutrition, and wellness studies
- Genetics
- Microbiological sciences and immunology
- Molecular medicine
- Neurobiology and neuroscience
- Pharmacology and toxicology
- Physiology, pathology and related sciences
- Zoology, animal biology

3. Health Sciences

- Advanced, graduate dentistry and oral sciences
- Allied health and medical assisting services
- Bioethics, medical ethics
- Clinical medicine research
- Clinical/medical laboratory science/research and allied professions
- Communication disorders sciences and services
- Dentistry
- Dietetics and clinical nutrition services
- Health and medical administrative services
- Health, medical preparatory programs
- Gerontology, health sciences
- Kinesiology and exercise science
- Medical clinical science, graduate medical studies
- Medical illustration and informatics
- Medicine
- Mental health
- Nursing
- Optometry
- Osteopathic medicine, osteopathy
- Pharmacy, pharmaceutical sciences, and administration
- Podiatric medicine, podiatry
- Public health
- Radiological science
- Registered nursing, nursing administration, nursing research and clinical nursing
- Rehabilitation and therapeutic professions
- Zoology

4. Natural Resources and Conservation

- Fishing and fisheries sciences and management
- Forestry
- Natural resources conservation and research
- Natural resources management and policy
- Renewable natural resources
- Wildlife and wildlands science and management

5. Other Life Sciences

- Other life sciences that cannot be classified using the fields listed above

Examples of Disciplines: Mathematics and Statistics, Physical Sciences, and Psychology Fields of R&D

E. Mathematics and Statistics

- Applied mathematics
- Mathematics
- Statistics

F. Physical Sciences

1. Astronomy and Astrophysics

- Astronomy
- Astrophysics
- Planetary astronomy and science

2. Chemistry

(except Biochemistry—report in Biological and Biomedical Sciences)

- Analytical chemistry
- Chemical physics
- Environmental chemistry
- Forensic chemistry
- Inorganic chemistry
- Organic chemistry
- Organo-metallic chemistry
- Physical chemistry
- Polymer chemistry
- Theoretical chemistry

3. Materials Science

- Materials chemistry
- Materials science

4. Physics

- Acoustics
- Atomic, molecular physics
- Condensed matter and materials physics
- Elementary particle physics
- Mathematical physics
- Nuclear physics
- Optics, optical sciences
- Plasma, high-temperature physics
- Theoretical physics

5. Other Physical Sciences

- Other physical sciences that cannot be classified using the fields listed above

G. Psychology

- Clinical psychology
- Counseling and applied psychology
- Human development
- Research and experimental psychology

Examples of Disciplines: Social Sciences and Other Sciences Fields of R&D

H. Social Sciences

1. Anthropology
- Cultural anthropology
- Medical anthropology
- Physical and biological anthropology

2. Economics
- Agricultural economics
- Applied economics
- Business development
- Development economics and international development
- Econometrics and quantitative economics
- Industrial economics
- International economics
- Labor economics
- Managerial economics
- Natural resource economics
- Public finance and fiscal policy

3. Political Science and Government
- Comparative government
- Government
- Legal systems
- Political economy
- Political science
- Political theory

4. Sociology, Demography, and Population Studies
- Comparative and historical sociology
- Complex organizations
- Cultural and social structure
- Demography and population studies
- Group interactions
- Rural sociology
- Social problems and welfare theory
- Sociology

5. Other Social Sciences
- Archeology
- Area, ethnic, cultural, gender, and group studies
- Cartography
- Criminal science and corrections
- Criminology
- Geography
- Gerontology, social sciences
- History and philosophy of science and technology
- International relations and national security studies
- Linguistics
- Public policy analysis
- Regional studies
- Urban studies, affairs

I. Other Sciences

Use this category for R&D that involves at least one S&E field (rows A–H) if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.

Examples of Disciplines: Non-S&E Fields of R&D

J. Non-S&E Fields

1. Business Management and Business Administration
- Business administration
- Business management
- Business, managerial economics
- Management information systems and services
- Marketing management and research

2. Communication and Communications Technologies
- Communication and media studies
- Communications technologies
- Journalism
- Radio, television, and digital communication

3. Education
- Education administration and supervision
- Education research
- Teacher education, specific levels and methods
- Teaching fields

4. Humanities
- English language and literature, letters
- Foreign languages and literatures
- History
- Humanities, general
- Liberal arts and sciences
- Philosophy and religious studies
- Theology and religious vocations

5. Law
- Law
- Legal studies

6. Social Work
(no specific examples)

7. Visual and Performing Arts
- Drama, theatre arts and stagecraft
- Film, video, and photographic arts
- Fine and studio arts
- Music

8. Other Non-S&E Fields
- Architecture
- City, urban, community and regional planning
- Family, consumer sciences and human sciences
- Landscape architecture
- Library science
- Military technology and applied science
- Parks, sports, recreation, leisure and fitness
- Public administration and public affairs
- Other non-S&E fields that cannot be classified using the fields listed above

Also, use this category for R&D that involves multiple non-S&E fields if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.