

**DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES**

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|--|--|---|
| ACADEMIC SENATE – Physics Representative Assembly Members | - N/A | <u>Members:</u> Averitt (2020-2021) Kleinfeld (2020-2022) Grinstein (2020-2022) <u>Alternates:</u> Intriligator (2020-2021) Keres (2020-2022) Ni (2020-2022) |
| Academic Personnel (Phys-CAP) | - Review academic personnel files prior to the Chair's review to ensure consistency of evaluations. | Arovas (Chair) Norman Yagil |
| Advisory | <ul style="list-style-type: none"> - Provide advice to the Dept Chair on a range of departmental matters and issues. - Serve as a conduit of information to/from their constituencies. - Assist chair in formulating strategic plans - Organize and work with faculty constituents in the preparation of reports concerning various departmental matters. - Review current departmental policies and practices that bear on budget and resources. | Arovas Averitt (ex-officio) Dudko Fuller Grinstein Hwa Jenkins Maple (Chair) Ni Shpyrko (ex-officio) Wright (ex-officio) Yagil Tomp (staff, ex-officio) |
| Alumni & Industry Relations / Development | <ul style="list-style-type: none"> - Locate and cultivate potential donors (companies and/or individuals) who might support one or more of our lab classes. - Identify faculty who are willing to reach out to and cultivate current and/or potential donors through activities. - Work with web site committee to ensure departmental web pages address development needs. | Abarbanel Allen Di Ventra Intriligator (Chair) Keating Hanson (staff, ex-officio) |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

**DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES**

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|-------------------|--|--|
| Awards - Faculty | <ul style="list-style-type: none"> - Update/maintain database (spreadsheet) of prizes in physics to bring to the attention of the faculty. - Update/maintain aggregate information on prize nominations and prizes awarded. - Identify potential nominees, evaluate likelihood of success; draw strategy and timeline for nominations; submit nominations. | Butov Di Ventra Grinstein (Chair) Hirsch Keating Kleinfeld Kuti Schuller Sharma |
| Awards - Students | <ul style="list-style-type: none"> - Update/maintain database (spreadsheet) of prizes in physics to bring to the attention of the students. - Update/maintain aggregate information on prize nominations and prizes awarded. - Identify potential nominees, evaluate likelihood of success; draw strategy and timeline for nominations; submit and review nominations. | Dubin Flauger Jenkins Jun McGreevy Sharma (Chair) Smith |
| Climate | <ul style="list-style-type: none"> - Support the Department goals to foster and sustain a safe, supportive, and inclusive environment for all members of the community. - Foster improvements in departmental transparency, so all members of the community are informed and given the opportunity to provide input into departmental policies and processes. - Help the Department Chair and Department leadership ensure a professional work environment that encourages respectful communication and interactions between all members of the department. - Partner with the Department EDI committee, as well as other Division and campus support centers to evaluate methods to improve the climate within the department. - Evaluate survey data to determine the needs of the Physics community at UCSD. Conduct climate surveys as necessary. - Devise and recommend implementation strategies to overcome challenges to achieving a supportive and inclusive environment for students, staff, faculty and all members of the Physics community. | Arnold (Chair) Averitt Barreiro Chivukula Meyertholen Palacci Tsai Yang <Postdoc> <Graduate student> <Staff> |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|--|--|---|
| Colloquium / Special Lectures | <ul style="list-style-type: none"> - Assess current venue, frequency, and advertising methods; make changes as deemed appropriate. - Offer a variety (good mix) of topics during the year. - Investigate methods for boosting attendance and for increasing interaction between speakers and members of the department at all levels with emphasis on students and postdocs. - Plan & coordinate all aspects of the department special lectures (Memorial & Dashen). | Abarbanel Barreiro Branson Butov Chivukula Coil Flauger Fogler (Chair) Hirsch Intriligator (Special) Jun Manohar Popmintchev Tytler Rappel Sharpee <Grad Student> |
| Computing | <ul style="list-style-type: none"> - Review and suggest changes to the Physics Department computing environment. - Disseminate information to the faculty and communicate faculty needs back to computing staff. - Review recharge plan and rates and suggest changes. - Review requests for supporting research groups outside of the Physics Department. - Coordinate with department website committee for resources to transition to UCSD Content Mgt System for web site administration. | Dubin Flauger Keres Kleinfeld (Chair) Kuti Shotwell Wu Hornbuckle (staff, ex-officio) Smith, K (staff, ex-officio) Tomp (staff, ex-officio) |
| Departmental Exam (Diagnostic) 2019-20 and after | <ul style="list-style-type: none"> - Prepare departmental diagnostic exam for incoming graduate students; includes preparing solutions and properly verifying all questions and solutions. | Averitt (Chair) Allen Flauger Frano Koslover Wright Wu Yang Diamond (ex-officio) Poddar (staff, ex-officio) |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|--------------------------------|---|--|
| Education Policy - Graduate | <ul style="list-style-type: none"> - Evaluate and report matters involving instructional, curricular or graduate student issues. - Evaluate use of TAs to support UG curriculum; - Assess effectiveness of curriculum; determine the appropriate course content and level, the description of course content for the course catalogue and ensure campus course catalog reflects this. Determine what leeway instructors should have in choosing course materials in light of descriptions in course catalogue. Recommend mechanisms for enforcement of content control. - Assess the benefits/drawbacks of adding courses on teaching methods and modern practices, including issues of dealing with diversity and different learning styles (e.g., in the form of Physics 500). - Evaluate, discuss, and propose effective ways of assessing teaching performance (in consultation with Teaching Evaluation Committee). | <p>Allen Arovas Averitt (ex-officio) Diamond (Chair) Hwa Intriligator Keres Ni McConney (staff, ex-officio) Poddar (staff, ex-officio)</p> |

| | | |
|--|--|---|
| Education Policy - Undergraduate | <ul style="list-style-type: none"> - Work with Vice Chair to address issues regarding enrollment in Physics major. - Evaluate use of technology in classroom; consider subcommittee focused on technological aspects. - Evaluate need for new general science specialization/major; consider subcommittee to develop this. - Assess effectiveness of curriculum. - Evaluate, discuss, and propose effective ways of assessing teaching performance (in consultation with Teaching Evaluation Committee). - Determine the appropriate course content and level, the description of course content for the course catalogue and ensure campus course catalog reflects this. Determine what leeway instructors should have in choosing of course materials in light of descriptions in course catalogue. Recommend mechanisms for enforcement of content control. - Review and evaluate the Undergraduate Program Review report and make recommendations for further action. - Review and evaluate applications for temporary instructors using the campus APOL Recruit system. Two members, along with the CEP Chair, will be assigned as a subcommittee each quarter to review applications for hires in the following quarter. | <p>Lin Manohar (Chair) Meyertholen Shotwell Shpyrko (ex-officio) Surko Yang McConney (staff, ex-officio) Moore (ex-officio)</p> |
|--|--|---|

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|---|---|---|
| Equity, Diversity & Inclusion (EDI) | <ul style="list-style-type: none"> - Work with Search Committee chairs to understand the best way(s) for the search committee to identify applicants that add to the diversity of the pool and encourage them to apply. - Identify strategies/methods to help underprepared students who accept our offer of admission succeed in our program; work with and advise the Graduate Advising and Student Life Committee to develop strategies to increase the probability of success of underrepresented/marginalized students. - Review the list of recommendations from the recent APS Status of Women Workgroup site visit report and discuss if and how they should be implemented in the department; - work with Graduate Admissions Committee. - Review and update the department equity, diversity and inclusion mission and goals and present to the Department Chair for adoption. | Burgasser Chivukula (Chair) Duarte Frano Tsai Dominguez-Kilday (ex-officio) <i><graduate student></i> |
| Grad Advising & Student Life | <ul style="list-style-type: none"> - Propose methods for assessing and reporting on student performance and progress to degree. - Work with the Outreach/Diversity committee to develop strategies to increase the probability of success of underrepresented/marginalized students. - Promptly bring to the attention of the Vice Chair any student you feel is having serious trouble with the program. | Averitt (FA20) Arovas Du Grinstein Groisman Jun Keres Lin McGreevy Ni (Chair) Palacci (WI21, SP21) Popmintchev Sandstrom Sharma Smith Wu Wuerthwein You Poddar (staff, ex-officio) |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|-------------------------------|---|---|
| Grad Admissions & Recruitment | <ul style="list-style-type: none"> - Meet early in the academic year to plan and address graduate student admission issues. - Discuss how to improve methods for anticipating demand, and to match offer to demand. - Assess and implement new methods for successful recruitment of top candidates. | Arnold (Astro) Averitt (ex-officio) Butov (Chair) Diamond Di Ventra Duarte Green Grover Hwa Intriligator Koslover Popmintchev Serra Smith Wright Wuerthwein You Kilday (staff, ex-officio) |

| | | |
|----------|---|--|
| Outreach | <ul style="list-style-type: none"> - Work with Search Committee chairs to understand the best way(s) for the search committee to identify applicants that add to the diversity of the pool and to encourage them to apply. - Work with Graduate Admissions Committee. - Organize summer outreach activities with visiting groups and help advertise outreach opportunities; identify funding for, and planning for the sustainability of these activities. - Collect information on all outreach efforts conducted within the Department and post annually on dept. website. - Participate in at least 2 outreach activities per year (e.g., Triton Day, Admit Day, YPP, public lecture, talk at a school, lab tours). | Frano Keating Konopacky (Chair) Paddock Palacci Smith Yang Dominguez-Kilday (ex-officio) <i><graduate student></i> |
|----------|---|--|

| | | |
|--------|---|--|
| PHYS 1 | <ul style="list-style-type: none"> - Consist of instructors of PHYS 1 series courses. - Each cohort (PHYS 1, PHYS 2, PHYS 4) will meet separately to review best practices for teaching their respective courses. - Discuss how to improve curriculum, use of teaching assistants, teaching methodology. Determine most efficient and effective manner to teach these courses. | <i><All PHYS 1_ instructors></i> Groisman Koslover Paddock Shpyrko (ex-officio) Smith Tsai Yagil (Chair) Moore (staff, ex-officio) |
|--------|---|--|

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

**DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES**

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|----------------------|---|--|
| PHYS 2 | <ul style="list-style-type: none"> - Consist of instructors of PHYS 2 series courses. - Each cohort (PHYS 1, PHYS 2, PHYS 4) will meet separately to review best practices for teaching their respective courses. - Discuss how to improve curriculum, use of teaching assistants, teaching methodology. Determine most efficient and effective manner to teach these courses. | <i><All PHYS 2_ instructors></i> Barreiro Branson Butov Duarte Hirsch Keres Meyertholen Ni Sharma Shotwell Shpyrko (Chair) Moore (staff, ex-officio) |
| PHYS 4 | <ul style="list-style-type: none"> - Consist of instructors of PHYS 4 series courses; - Each cohort (PHYS 1, PHYS 2, PHYS 4) will meet separately to review best practices for teaching their respective courses. - Discuss how to improve curriculum, use of teaching assistants, teaching methodology. Determine most efficient and effective manner to teach these courses. | <i><All PHYS 4_ instructors></i> Averitt Duarte Frano Shotwell Shpyrko (ex-officio) (Chair) Moore (staff, ex-officio) |
| Space | <ul style="list-style-type: none"> - Review current space assignments and utilization. - Recommend reassignments of space as appropriate. - Respond to requests for space assignments. - Create a comprehensive space utilization plan. | Groisman Intriligator Schuller Tytler Yagil (Chair) Tomp (staff, ex-officio) |
| Teaching Evaluations | <ul style="list-style-type: none"> - Attend class session. - Provide a written report to the Student Affairs staff no later than 1 week after the date of the session. | Branson Burgasser Dubin (Chair) Fogler Groisman McGreevy Paddock Surko Tytler McConney (staff, ex-officio) |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|-------------|---|--|
| UG Advisors | <ul style="list-style-type: none"> - Hold regular office hours for undergraduate advising. - Participate in at least 3 undergraduate-related activities per year: e.g., Triton Day, Admit Day, YPP, graduation, etc. | Arnold Barreiro Coil Du Dubin Fogler Fuller Grover Kleinfeld Manohar Meyertholen Palacci Sandstrom (Co-Chair) Surko (Co-Chair) Tsai Wuerthwein Moore (staff, ex-officio) |
| Web Site | <ul style="list-style-type: none"> - Will work on ensuring the departmental website as the public face of the department has proper content and presentation, and more generally will focus on “marketing” the department rather than being restricted to a website. | Burgasser Grover Kuti Popmintchev Schuller Shotwell Tytler Meyertholen (Chair) |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.

**DEPARTMENT OF PHYSICS
2020-2021 COMMITTEES**

UPDATED: 30 SEP 2020

| Committee | Charge | Member |
|-----------|--------|--------|
|-----------|--------|--------|

TEMPORARY TASK FORCES (2020-2021)

| | | |
|-------------------------------------|---|--|
| Remote Teaching Advisory | | Burgasser (Chair) Shpyrko Smith TBD |
| Safety (COVID related) | | Butov Diamond Du Groisman (Chair, WI21, SP21) Jun (Chair, FA20) |
| Astro Graduate Program | Develop and submit a proposal for an autonomous Astronomy Graduate Program at UC San Diego. The new Astronomy Graduate program should be a competitive national/international program that satisfies the necessary curriculum requirements for a successful Astronomy Ph.D. candidate and recipient. The autonomous Astronomy Graduate curriculum should be able to operate within the Physics Department. The proposal will be approved by this committee and the Physics Chair, and then submitted to campus and tracked through the UC San Diego approval process. This charge follows directly from the Dean's Recommendations on July 9, 2020. | Adam Burgasser (Co-Chair) Karin Sandstrom (Co-Chair) Rick Averitt Dan Green Dusan Keres Quinn Konopacky Andrew Meyertholen Shelley Wright |
| Physics – Astro Inclusion Oversight | Develop the plans to implement the Dean's Recommendations on July 9, 2020 to improve and advance Astronomy at UC San Diego and ensure its success within the Physics Department. The committee will ensure that actions will be completed in a timely manner and reach the necessary consensus to fulfill the recommendations. | Shelley Wright (Co-Chair) Oleg Shpyrko (Co-Chair) Kam Arnold George Fuller Mike Norman Karin Sandstrom Frank Wuerthwein |
| History | <ul style="list-style-type: none"> - Collect, organize and curate historical documents, photographs and artifacts that record the history of the department. - Collect written, oral or video testimonials related to the history of the department. - Determine how to preserve and make accessible the collections so produced. - Determine, and communicate to the chair, whether the findings warrant the production of a document or monograph about the history of the department; if warranted, make a concrete proposal for the production of such document or monograph. | Hirsch (Chair) Kleinfeld Schuller |

NOTE: Ex-officio members do not vote on committee business and may not be invited to all meetings.