

# Welcome to ATDP

January 2009

Summer 2009 marks the twenty-eighth year of ATDP. For over a quarter of a century, youth have come to the Berkeley campus each summer to pursue Latin, Foundations of Algebra, Architecture, Law, Marine Biology, Advanced Placement courses, and so much more. They come to meet others like themselves who enjoy academic adventure. They come to thrive in an intellectual environment where they study with adults who love the subjects they teach and love working with youth eager to learn. Students encounter fields of study and areas of research they might otherwise never have known exist.



In 1981, Anne Wallach, ATDP's founder, proposed a summer Gifted Program for youth at UC Berkeley. The program began offering classes as the Gifted Program, but in 1989 changed its name to the Academic Talent Development Program. Other changes over the years include a tremendous increase in student enrollment and course offerings. However, our vision has always remained the same: to welcome youth from all backgrounds into an academic community that works in a world of great possibilities.

Our ongoing goal is to help our students to think and understand ever more deeply, in addition to encouraging them to rise rapidly through levels of study. We continue to offer courses appropriate to our students' needs, taught by outstanding public school, private school, and university instructors. And, more than ever, we strive to help our students in their efforts to create a world better than the one they are inheriting.

We also endeavor to learn more about academically talented students: how they develop, what they require in order to learn at their optimal pace and to their appropriate depth, and what factors support or impede their social development. Toward that goal, we seek the active involvement of our students and their families, who sometimes participate in research studies and who always share their experience, insights, and evaluations. We continue to develop and incorporate new knowledge into the program, with each year's changes and additions to the program reflecting what we have learned during the previous year.

Our application process reflects our belief that students must be given the opportunity to present their strengths in a variety of ways. By requiring applicants to submit multiple indicators of their academic achievements, we then are able to identify and admit a diverse group of the hardest-working, highest-achieving students. As you consider the wide range of classes offered in this year's catalog, we hope that you will find many that spark your interest and some particular ones that address exactly what you have always wanted to study.

Thank you for your interest in ATDP. If you have any questions, please call the program office. We look forward to hearing from you!

Sincerely,

A handwritten signature in black ink that reads "Nina Hersch Gabelko". The signature is written in a cursive style.

Nina Hersch Gabelko  
Program Director

## SECONDARY DIVISION

### DATES

June 22 to July 31, 2009

### LOCATION

UC Berkeley campus

### WEEKLY SCHEDULE

5-unit classes: 2 days per week

10-unit classes: 3 days per week

### DAILY SCHEDULE

Morning classes: 8:30 a.m. to noon

Afternoon classes: 1:00 to 4:30 p.m.

(new students take just one class)

### FEES

- Processing fee: \$30  
(non-refundable and separate from tuition)
- Tuition fee:
  - 5-unit courses: \$460
  - 10-unit courses: \$680
  - AP Biology: \$1,045
- Materials/Lab fee: from \$50 to \$160  
(see Course Descriptions, pp. 9-26)

### DISCOUNTS

Sibling discount: \$25 per sibling attending  
(see Tuition & Materials Fees, p. 5)

## ATDP

510 • 642 • 8308

<http://atdp.berkeley.edu>

UC Berkeley  
Education: ATDP  
3639 Tolman Hall  
Berkeley, CA 94720-1670

## General Information

**Q** How can I contact the ATDP?

**A** You can reach us by phone at 510-642-8308, or visit us at 3639 Tolman Hall, which is in the northwest corner of campus, at the intersection of Hearst Avenue and Arch Street. You can also visit us at: <http://atdp.berkeley.edu> Our mailing address can be found on the inside front cover.

**Q** I have not been identified as “gifted” by my school. Is this program appropriate for me?

**A** Official school designation of “gifted” is not required for admission. However, students should be hardworking, enjoy learning, and be prepared for an intellectually stimulating and demanding summer class.

### ☀ ATDP Secondary Division

For over 25 years, highly motivated students have come to UC Berkeley’s Academic Talent Development Program from all over the Bay Area and beyond to participate in a variety of stimulating and challenging classes designed for academic advancement and enrichment. The Secondary Division (SD), which takes place for six weeks each summer on the UC Berkeley campus, is for students who have completed any grade from 7 to 11. New students take just one class, but returning students may petition for two.

Now in its third decade, ATDP is designed to meet the intellectual needs of highly motivated secondary school students. ATDP encourages students to return through their high school years to experience the excitement and rigor of advanced study at the nation’s premier public university. The program is administered through UC Berkeley’s Graduate School of Education.

ATDP also invites students to participate in a variety of optional activities and to develop new friendships. Courses are carefully developed to contribute breadth and depth to students’ educational experiences. ATDP seeks to augment and enrich the schooling experience, not to replace what is offered in a student’s regular school. ATDP is committed to supporting gender, ethnic, and socioeconomic diversity in all of its programs.



Tolman Hall, home of the ATDP

### ☀ Our Faculty

Faculty are carefully chosen from a pool of exceptionally talented public school, private school, and university instructors. In addition to their demonstrated excellence as classroom instructors, they share a serious commitment to the education of gifted and talented youth. Classroom staffing also includes teaching assistants and mentors. The low teacher-to-student ratio, as well as the counseling and administrative staff support, ensure instruction of the highest quality.

### ☀ Class Location and Transportation

Classes are held on the UC Berkeley campus, with many scheduled at the Graduate School of Education’s Tolman Hall in the northwest corner of campus. Tolman Hall, where the ATDP office is located, is a ten-minute walk from the *Downtown Berkeley* BART station.

For students and their families interested in forming carpools, ATDP will provide a list of other students from their area who are also interested in carpooling. Students then contact each other and arrange their own carpools. ATDP sends carpool lists only to students who have been accepted into the program, who request the list, and who are themselves included on it. The lists are available in late spring. Further information will be provided in the acceptance packets.

### ☀ The Berkeley Campus

UC Berkeley is one of the world’s most dynamic academic environments. The campus, the surrounding community, and the San Francisco Bay Area provide unique intellectual and cultural stimulation. A major research center, Berkeley is a place where ideas are conceived and tested. The university’s 25 libraries contain over 8 million volumes. Some of the most distinguished teachers and scholars in the world give classes on campus, and the UC faculty includes numerous Nobel laureates.

### ☀ Housing

ATDP is a non-residential program and cannot assist in arranging housing. Students who have completed their sophomore year of high school and would like to stay on campus to take college classes can consider UC Berkeley Summer Sessions (see p. 6).

# Secondary Division

## ☀ CLASS SCHEDULES

Classes begin on either Monday, June 22 or Tuesday, June 23 and end on either Thursday, July 30 or Friday, July 31, 2009. Morning classes are from 8:30 to noon, and afternoon classes are from 1:00 to 4:30 (with the exception of AP Biology and The Virtual ATDP).

Classes meet either two or three days a week. Two-day-per-week classes typically meet on Mondays and Thursdays, Tuesdays and Fridays, or Tuesdays and Thursdays. Three-day-per-week classes typically meet on Mondays, Wednesdays, and Fridays. Refer to the course descriptions on pp. 9-26 for the specific days and times of class meetings for each course.

No classes will be held on the Independence Day holiday, Friday, July 3, but classes normally scheduled to meet on Fridays will have a make-up meeting to be announced. The University will be open as normal the rest of the week, so plan on attending classes.

## ☀ COURSE WORKLOAD

ATDP courses require a serious time commitment. Students should expect to spend between three and ten hours preparing for each class meeting. To determine how many hours of homework to expect per class meeting of a particular course, refer to its description (pp. 9-26). Given the rapid pace and the amount of material covered in only six weeks, new students are permitted to take only one course. However, returning students who are very motivated and high-achieving may petition the director to enroll in two courses by submitting a letter with their application.

## ☀ ATTENDANCE

The scope of the curriculum, the pace at which courses proceed, and the faculty's high expectations require that students attend every class meeting. Even one absence makes it very difficult to keep pace and also makes it difficult for the instructor to recommend that the student receive credit for completion of courses in the Secondary Division. *Students cannot miss the first two days of class. Students who incur more than two absences for any reason may be dropped from the program, will not receive a recommendation for credit, and will not be due a tuition refund.*



Sather Gate, at the center of the Cal campus

## ☀ FINAL EVALUATIONS AND RECOMMENDATION FOR CREDIT

In late August, ATDP will mail each student the instructor's narrative evaluation of his or her performance and final course grade. Students can earn grades of A+, A, A-, B+, B, B-, Pass, or No Pass. If a student earns a grade in the A or B range, upon the student's written authorization, ATDP will send the final evaluation report to the student's school with a recommendation that the institution grant him or her additional school credit (not university credit). As ATDP does not recommend credit for grades of Pass and No Pass, the final evaluations for such grades are only for the student and are not sent to schools.

ATDP can recommend that a student receive credit for grades in the A and B range, but only the student's school can actually grant credit. In the past, over 95% of the high schools represented by our student body accepted our credit recommendation. A course covering a semester's worth of material will receive a credit recommendation of five units of credit, and a course covering a year's worth of material will receive a recommendation of ten units. The number of units ATDP recommends for a particular class is listed with each course (pp. 9-26).

## Class Information

**Q** Can I take two courses?

**A** New Secondary Division (SD) students cannot take two courses. Returning SD students may petition the director to enroll in two courses by submitting a letter with their application (see p. 1 of the application form, under "Course Selections").

**Q** I know I will be absent for several days. Can I still take an ATDP class?

**A** If the absence will be for more than two class meetings, you cannot. If the absence will be for two days or fewer, you must ask for the instructor's approval before the planned absence. You cannot miss the first two days of class. Keep in mind that even if you miss only one class, it may not be possible for you to compensate for the work and in-class time missed.

## Admissions

**Q** Should I wait until I get my new report card and achievement test scores before submitting my application?

**A** No, you should not delay in submitting your application, as we evaluate complete applications in the order they are received. We will ask you for newer records if they are required.

**Q** I'm a former Elementary Division student applying to the Secondary Division for the first time. When is my application deadline?

**A** While for admission purposes you will be considered a new student, it is still to your advantage to submit the application as soon as possible, preferably by the returning student deadline.

### ☀ GENERAL ADMISSIONS CRITERIA

ATDP's goal is to select students who will benefit from the challenging course offerings as well as succeed in this fast-paced Program. Students are eligible to attend ATDP's Secondary Division once they complete grade 7 and can return each summer through the completion of grade 11. Students become ineligible for ATDP when they complete grade 12.

Students are invited to attend the program on the basis of exceptional academic talent. Indicators include standardized achievement test scores, course grades, a Teacher Recommendation Form and a writing sample such as an essay, a science report, or a research paper. We also consider a student's special interests, as indicated on the Interest Inventory of Activities (p. 2 of the application).

ATDP encourages students to return summer after summer to take advanced courses that they may not be able to take at their regular schools and/or to accelerate in their studies.

### ☀ TEST SCORES AND GPA

Course enrollment is limited, and there are always more qualified applicants than the program can accommodate. On average, admitted students have scored above the 90th percentile on their standardized achievement tests (on both the mathematics and reading tests) and have earned an overall academic grade point average (GPA) of at least 3.5 on a 4-point scale. Students with grades of "unsatisfactory" or "needs improvement" in conduct or citizenship are not eligible for the program.

Some students show a disparity between their mathematics and verbal test scores or have received an atypically low grade in a particular subject. Neither of these situations should be a deterrent to applying. However, ATDP is less likely to meet the needs of students with a very wide spread between their mathematics and reading scores or between their test scores and overall academic GPA. Please remember that these are not hard-and-fast selection criteria, but rather general guidelines.

### ☀ APPLICATION EVALUATION

While official designation of "gifted" is not required for admission, in selecting students, we consider each applicant's overall academic profile, which includes the student's Teacher Recommendation Form and academic product or essay. One characteristic all students must have in common is the motivation and commitment to work hard and consistently

in the program. It is advantageous for returning and new students to submit their complete applications early, preferably well before the postmark deadlines. *The date an application is complete can be an important factor in determining course placement.* Generally, applications are evaluated in the order they are complete, with first preference in placement given to returning students; incomplete applications are not considered for placement. However, returning students are not guaranteed automatic readmission or placement in their first choice of course—they must have maintained strong academic records, and must submit their complete applications early. A student who applied in a previous year and then withdrew without completing a course will be considered a new student for admission purposes. Applications received after the deadline will be considered only on a space-available basis.



Doe Library, UC Berkeley's main library

### ☀ MOVING FROM ELEMENTARY DIVISION TO SECONDARY DIVISION

Former Elementary Division students who apply to the Secondary Division are considered new applicants for admissions purposes. However, it is strongly recommended and to a student's individual advantage to submit her or his application as early as possible, preferably before the returning student deadline of Wednesday, February 18, 2009.

While participation in previous summers' Elementary Division is acknowledged, articulation between ED and SD is not automatic. Former ED students applying to the SD must continue to demonstrate high academic achievement, excellent work habits and citizenship, as well as strong independent learning skills. It is important for students and their families to keep this in mind, as there are always more applications from highly qualified students than spaces to accommodate them.

## ☀ Processing Fee

Along with the completed application form, send your non-refundable processing fee check for \$30 to the ATDP office. The processing fee is separate from tuition, so this \$30 is not subtracted from the amount due for tuition. Checks should be made out to “UC Regents.” Write the student’s first and last name and “SD” on the check’s memo line. We are unable to take payments in cash or by credit card.

## ☀ Tuition & Materials Fees

Tuition fees are \$510 for a 5-unit course, \$680 for a 10-unit course, and \$1,045 for AP Biology. For families with brothers and/or sisters attending, the sibling discount is \$25 per student. For example, if three siblings attended, each student would receive one \$25 discount from tuition. The materials/lab fees vary by course and range from \$50 to \$160. To determine the tuition, materials/lab fees, and total for a particular class, look for its course description in the course listings (pp. 9–26). Do NOT send tuition and materials/lab fees when you apply. We will include information about tuition fees due or financial aid award, if any, in the student’s notice of acceptance, which will be mailed on Thursday, April 2, 2009. Families will have until Monday, May 4 to send to ATDP their full tuition and materials/lab fee (or balance of tuition, if the student was awarded partial financial aid). If a family needs to pay in installments, the first payment of at least \$100 must be postmarked by Monday, May 4. Full payment must be sent by Friday, July 31, the last day of classes.

If payment of the processing fee or the tuition and materials/lab fees presents a financial hardship, please see the Financial Aid section below for additional information.

## ☀ Financial Aid

ATDP is a self-supporting program funded by student fees. However, partial or full financial aid is available to qualified applicants. We are unable to provide financial aid to children of international students or those coming from outside of the greater San Francisco Bay Area.

To apply, submit one photocopy of your official, signed 2008 Federal Income Tax Return AND all Schedules per applicant. The W-2 form cannot be submitted in place of the tax return. We require the tax returns of both parents. For preliminary consideration and to avoid delay in submitting your application, you may submit your 2007 return if your 2008 return is not yet available. We may ask for your 2008 return at a later date. Do not send original documents. If there are special circumstances, submit a

letter of explanation and photocopies of any supporting documents. Requests for financial aid are due by the application deadline of Wednesday, March 4, 2009. We cannot consider applications for financial aid after this deadline. If payment of the non-refundable \$30 processing fee poses a financial hardship, attach a signed note of explanation *with the tax returns* in lieu of the payment.

All decisions regarding admission and course placement are made independently of financial aid status. Your application will not be held up pending a financial aid decision. However, we can only evaluate your request for financial aid once we receive all required documents. Financial aid decisions are based on *total resources*, not only on household income. Applicants who are accepted will be mailed notification of the amount of financial aid on Thursday, April 2, 2009. Awards cover tuition and materials/lab fee only; they do not cover transportation, texts, or other expenses. Families who need to pay tuition in installments will have until Friday, July 31 to do so. Details will be included in the acceptance letter.

## ☀ Placement Decisions

On Thursday, April 2, 2009, ATDP will mail all applicants a letter informing them whether they have been accepted. Acceptance packets will include your course placement. Students then must notify ATDP whether they will be attending by Monday, May 4, 2009. *Failure to notify ATDP in writing by that date will result in an obligation to pay the full tuition amount.*

## ☀ Refund Policy

A registered student who is unable to attend must withdraw in writing and may request a tuition refund. Prior to the deadline of Wednesday, May 20, 2009, tuition payments are refundable. After May 20, the \$100 tuition down payment that a student pays to reserve her or his place in class is non-refundable; a detailed refund schedule will be included in the student’s acceptance packet.

No refund will be made in the case of a student who fails to attend classes, to complete homework, or to meet the standards of appropriate behavior. The \$30 processing fee is also non-refundable.



## Fees & Tuition

**Q** How do you decide about financial aid?

**A** We look at a family’s tax return to determine total available resources. We make every effort to help families with limited resources.

**Q** A drastic change in our financial situation is not reflected on our tax return. What should I do?

**A** Attach a letter explaining your situation, as well as any supporting documents (e.g., unemployment forms), to the tax forms you send in.

## Other Summer Opportunities

**Q** Can I turn in a late application?

**A** While we do accept late applications on a space-available basis, we strongly recommend that you submit your complete application as early as possible, before the deadlines. Applications are reviewed in the order they are received. In past years, most classes filled with qualified students who turned in their applications before the deadlines.

### ☀ Wednesday Explorations

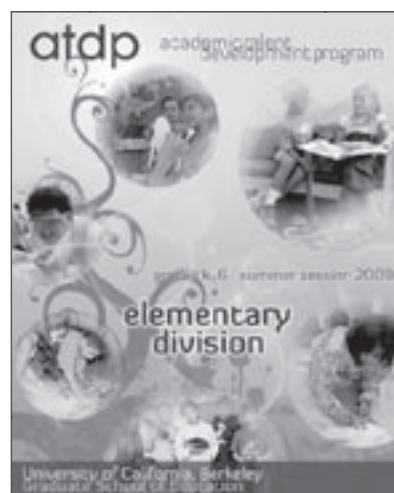
In addition to its regularly scheduled courses, ATDP offers through its Explorations program a selection of optional classes, workshops, and trips. These activities serve to enrich Secondary Division students' summer experience with opportunities to learn new skills, to pursue career-oriented interests, and to visit interesting places. Explorations are held on Wednesdays, vary in length from three to six hours, and meet between one and five times. Last year's Explorations included series in SAT preparation, Adobe Photoshop, and darkroom photography. The Health Professions field trips have taken students to UCSF where they learned hands-on and first-person about dentistry, pharmacy, and medicine. The Explorations program guide and enrollment form will be sent to students along with their notification of acceptance into ATDP. Only ATDP students may enroll in Explorations.

### ☀ UC Berkeley Summer Sessions

Students who have completed their sophomore year in high school are also eligible to apply to regular UC Berkeley Summer Sessions courses. With regards to placement and credit, UC Berkeley Summer Sessions differs from ATDP in that their high school students will be in classes with college students and will receive college credit. Request their catalog by calling 510-642-5611 or by visiting their website at: <http://summer.berkeley.edu>

### ☀ Elementary Division

ATDP offers Elementary Division (ED) summer classes for students currently in kindergarten through sixth grade. Classes are held four days a week (no classes on Wednesdays). Students choose one class to take from a rich variety of classes. ATDP invites elementary school students with exceptional academic promise to apply. For information, see the box to the right.



## Elementary Division KINDERGARTEN TO GRADE SIX

### DATES

July 13 to July 31, 2009

### LOCATION

Washington School  
Point Richmond, CA  
(9 miles northwest of UC Berkeley)

### SCHEDULE

Monday, Tuesday, Thursday, Friday  
8:30 a.m. to noon or 1:00 to 4:30 p.m.

### FOR MORE INFORMATION:

Visit ATDP's website at  
**<http://atdp.berkeley.edu>**  
or send a self-addressed, stamped (\$1.51),  
9" by 12" envelope to the ATDP office.  
Indicate "ED" in the lower left corner  
of the return envelope.



# Frequently Asked Questions

## Catalogs and Applications

### Q: How do we receive an additional catalog/application?

A: You may photocopy a blank 2009 application. For a new catalog, send a self-addressed, stamped (\$1.51), 9" by 12" envelope to the ATDP office (see back cover for address). Please indicate "SD" for Secondary Division (this catalog) or "ED" for Elementary Division in the lower left corner of the return envelope. You will also find the information from the catalog and a downloadable application at <http://atdp.berkeley.edu>

### Q: May I pick up extra catalogs or drop off my application at your office?

A: Yes. Our office is located at 3639 Tolman Hall (northeast corner of the building), across from the intersection of Hearst Avenue and Arch Street. The building is open weekdays from 7:30 a.m. to 6:30 p.m. Extra catalogs are available outside our office door. If no one is in the office, simply slide your completed application under the office door.

★ For application submission postmark deadlines, see the Calendar on p. 1.

## Course Selection and Admission

### Q: If I'm weak in a particular subject such as math or writing, should I choose an ATDP class that will improve my skills in that area?

A: You may consider doing so. However, we recommend that you select ATDP classes that best suit your preparation as well as your needs. ATDP classes move at a very rapid pace and it is important that all students be willing and able to keep up with the rigorous work.

★ For more about course selection, see Q&A on p. 9.

### Q: What are my chances for acceptance?

A: We will consider your overall academic profile by looking at all the documents we ask you to submit with your application. The typical ATDP student has scored in the ninetieth national percentile in reading and mathematics on achievement tests, maintains a GPA of 3.5 or above, has a strong teacher recommendation, and submits a superior academic product.

★ For more about application evaluation and admission, see p. 4.

## Reporting Achievement Test Scores

### Q: May I submit SAT (College Board test) or PSAT scores?

A: No. Please submit school-administered standardized achievement test scores, such as the STAR report.

### Q: The achievement test I took isn't on your list. Will you still accept it?

A: If the test was administered by your school and your test report indicates national percentiles, you may submit your test scores. Otherwise, have your school counselor or other representative sign the appropriate line in Part V on p. 2 of the application.

### Q: What if I haven't taken an achievement test for a long time?

A: If you've taken an achievement test in the last three years, include your latest scores with your application. If you have never taken an achievement test, or have not taken one in the last three years, have your school counselor or other representative sign the appropriate line in Part V on p. 2 of the application.

★ For more instruction on completing your application, see p. 8.

## Transportation and Housing

### Q: My sister and I need to have class at the same time. What can I do to assure that we can commute together?

A: Attach notes to both of your applications indicating that you need to travel together and make certain that your courses' days and times match.

### Q: I live outside of the Bay Area. Can I get housing near UC Berkeley?

A: ATDP is not a residential program, and we are unable to assist in finding housing.

★ For more about transportation, see p. 2.

**Q** I have only one course choice. Do I still have to list alternate classes on my application?

**A** While recommended, it's not required. We want you to list alternate choices only if they are acceptable to you. If your first choice class is filled or your application is not competitive, we will consider you for your acceptable alternates in order to place you.

**Q** Will I improve my chances of being placed in my first choice class if I don't list alternates?

**A** No, it won't affect your placement. We always start by attempting to place students in their first choice and only look at the alternates if the class is filled or if a student's application is not competitive.