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11/5/2002

Gettysburg College

**Biology 102 - Contemporary Topics in Biology, Spring, 1994
Sections A and B: The Biological Basis of Disease**

The Service-Learning Laboratory alternative

Biology 102 has a regularly-scheduled laboratory section for which all students are enrolled. There is, however, an alternative to this educational experience - the Service Learning laboratory. There are spaces for 16 students in this class to be placed with a local health care agency for the semester.

The purpose of any Service-Learning experience is just that: to provide a service to your community while you learn. While you will provide a needed service to the agency, you will not be exploited to perform menial tasks. These positions will expose you directly to the problems at hand and their medical underpinnings. You will be expected to learn a great deal. In order to complete this course, students in the Service Learning laboratory section must complete the following:

1. Contact one of the agencies listed on the following pages. The contact person and his/her telephone number are given. Each of these persons has already been contacted by Ms. Dora Townsend of the Center for Public Service; each has agreed to this program enthusiastically and they are expecting students to call.
2. Make a contract with the agency to work with them on a regular basis. Since the normal laboratory is 3 hours long and there are 13 3 hours labs, students are obligated to contract for at least 40 hours total in the semester.
3. Keep a regular and detailed journal of your experiences.
4. Write a final paper on the particular medical problem with which you have dealt. The paper must focus on the biology of the problem while relating this biology to the real situation you have encountered.
5. Participate in a panel discussion during the last day of class.
6. You will receive a grade based on your journal, your term paper, and your agency's evaluation. This grade will count for 25% of your final course grade. You will not take the laboratory exams nor write the *Staphylococcus* paper.
7. Ms. JoAnn Zeman will be the facilitator of this laboratory section. She will work with you throughout the semester, visit you at your agency, read the journals, and evaluate the final paper. Students experiencing any difficulties with the Service Learning lab should work with her and the Center for Public Service (337-6490) to resolve them.

Service Placements

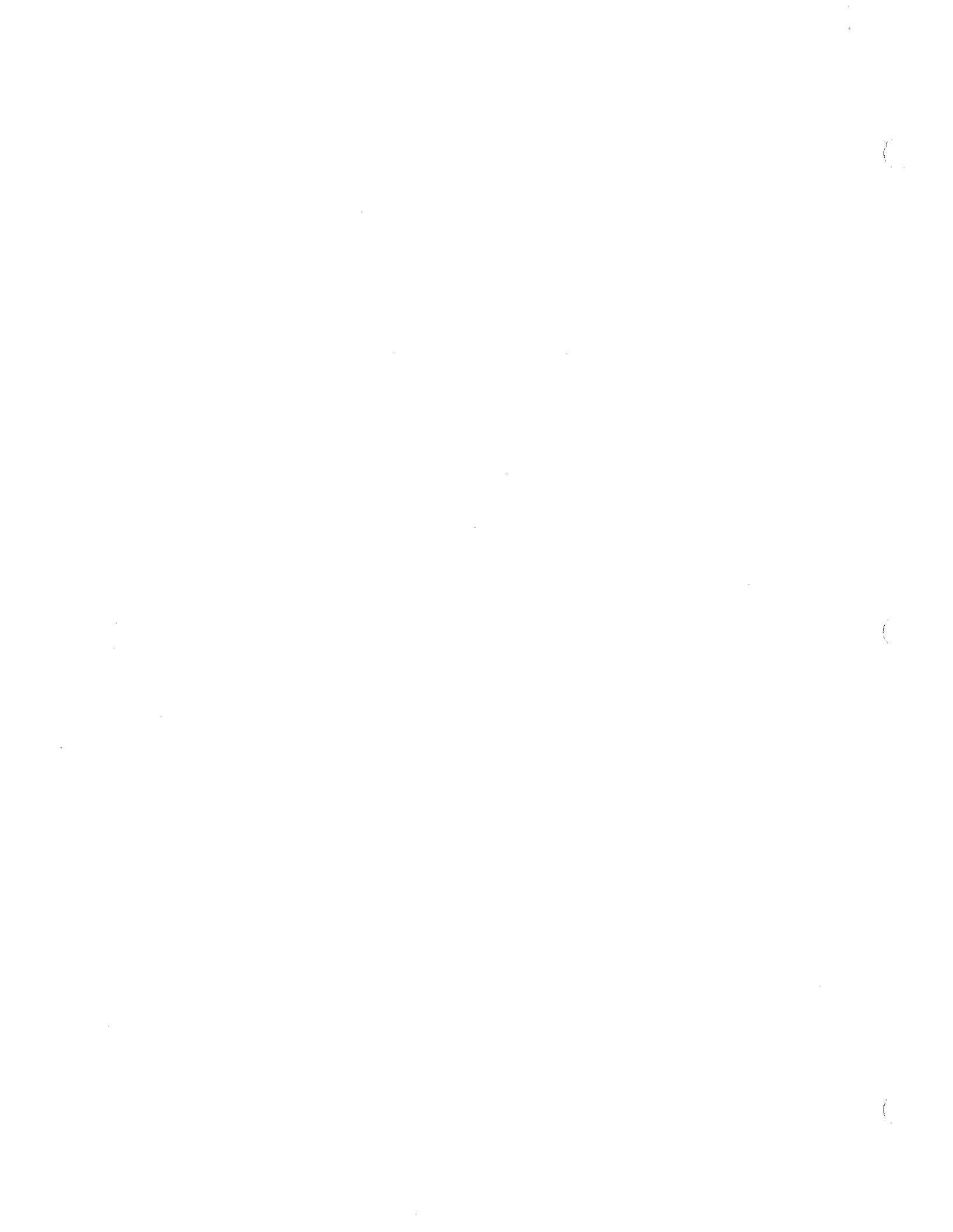
1. Adams County AIDS Community Resource Program
2. United Cerebral Palsy of South Central Pennsylvania
3. Adams County Green Acres Home
4. Lutheran Social Services
5. American Cancer Society
6. Drug and Alcohol Treatment and Prevention Services
7. The Gettysburg Hospital
8. Pennsylvania Tourette Syndrome
9. The Adams County Migrant Health Program

TRANSPORTATION

The College Transportation Department can supply transportation. However, the students **MUST SCHEDULE IN ADVANCE** by calling Forrest Vose at x-6923. Transportation arrangements **MUST NOT BE CANCELLED WITHOUT PRIOR NOTICE TO THE TRANSPORTATION DEPARTMENT**. The Center for Public Service will assume the cost for this transportation.

CONFIDENTIALITY

The privacy of the community patients is of the utmost importance. Please use discretion and respect with regard to matters of confidentiality. Never use the patient's real name under any circumstances in either discussion or written work. Do not discuss the personal details of patients' lives that have no bearing on their specific disease.



1. Adams County AIDS Community Resource Program Transportation Needed
963 Biglerville Road
Gettysburg, Pa. 17325

Contact: Kandy Ferree, Executive Director
334-8344

The AIDS Community Resource Program of Adams County provides AIDS educational programs, a resource library of information, and a referral and resource directory about HIV/AIDS. In addition to these educational services, the Program provides case management for persons with AIDS, as well as supportive services to HIV-infected persons, persons with AIDS, their family and friends.

Placement: 1 student

The student will assist the agency staff in presenting a community awareness project, the AIDS Quilt. Additionally, the student will meet with the infectious/auto-immune consultant at Hanover Hospital, who consults with other auto-immune patients in addition to AIDS patients. The student will have the opportunity to compile a case study of an Adams County Aids patient and have access to the patients' medical records. The student will have access to the current research and statistics regarding the HIV and AIDS virus. The student will have an opportunity to meet with patients who have HIV and/or AIDS and discuss with them how the disease has affected their lives and the lives of their families.



2. **United Cerebral Palsy of
South Central Pennsylvania
839 Biglerville Road
Gettysburg, Pa. 17325**

Within Walking Distance

**Contact: Katie Fry, Family Services Coordinator
1-632-5552**

United Cerebral Palsy provides services to thousands of children and adults in York, Adams, and Franklin Counties. The professional staff and volunteers address the multiple needs, not only of the individuals with cerebral palsy, which is a group of conditions characterized by nerve and muscle dysfunction, but also other serious conditions, such as: Hydrocephalus, Spina Bifida, Down's Syndrome, Stroke, Developmental Delay, Neurological Impairments.

The agency's aim is to help people shape their lives by their abilities, rather than by their disabilities and to cultivate a harmonious pattern of family life.

Placement: 2 students

Students will work with the Home Services Coordinator, making home visits and evaluating the patients (adult and child) and the disability's impact on the family unit. The students will also have an opportunity to observe the physical, speech and occupational therapist working with patients who have multiple disabilities such as spina bifida and hydrocephalus. The students will have the opportunity to interview and/or regularly meet with adults who suffer from all levels of the cerebral palsy. The students will have access to all the educational materials and current research data that are available in the office.



3. Adams County Green Acres Home
595 Biglerville Road
Gettysburg, Pa. 17325

Within Walking Distance

Contact: Mrs. Konhaus, Administrative Director
334-6249
Barbara Reeve, Director of Nursing
334-6249

Adams County Green Acres Home for the Elderly is a non-profit, residential program for all infirm and elderly residents of Adams County who need a multi-service residential center. A variety of services are offered, including physical, occupational, and speech therapies and a full range of medical care.

Placement: 2 students (one with a Multiple Sclerosis patient and one with a Down's Syndrome adult patient.)

- a. Degenerative Multiple Sclerosis: The student will have access to the educational materials and current research data that relates to Multiple Sclerosis. The student will be matched with a resident who has multiple sclerosis. The student will have an opportunity to meet with the staff physician to discuss the patient's medical records as well as with the patient to discover how it has affected his or her life. The student **MUST** have a Mantoux Tuberculosis test before the student can volunteer in the nursing home. The student will receive an in-service training prior to beginning the service project. Additionally, the students may volunteer in a variety of capacities that will benefit the patients.
- b. Down's Syndrome: The student will have access to the educational materials and current research data that relates to Down's Syndrome. The student will be matched with a resident who has Down's Syndrome. The student will have an opportunity to meet with the staff physician to discuss the patient's medical records as well as with the patient to discover how it has affected his or her life. The student **MUST** have a Mantoux Tuberculosis test before the student can volunteer in the nursing home. The student will receive an in-service training prior to beginning the service project. Additionally, the students may volunteer in a variety of capacities that will benefit the patients.



Lutheran Social Services
1000 Old Harrisburg Road
Gettysburg, Pa. 17325

Transportation Needed

Contact: Beth McMaster, Director of Social Services
334- 6204

Lutheran Social Services is a health and social services agency providing care in Adams County since 1957. Services include the Gettysburg Lutheran Retirement Village composed of different levels of care ranging from cottages and apartments to personal care rooms and a nursing home.

In addition to these facilities, Lutheran Social Services also operates the Learning Tree Child Care Program, provides case management for individuals experiencing problems and operates a small deaf services program.

Placement: 3 students (for Polio, Glaucoma, and Arthritis)

The students will have access to the educational materials and research data that pertain to degenerative diseases. They will research causes and current treatment for the aforementioned diseases. They will visit with residents of the home to observe environmental adaptations necessary to optimize independence. Research intervention and treatment available from physical and occupational therapies. They will be able to examine certain phenomena unique to the disease such as Post Polio Syndrome and the effect it has on the life of the patient. They will have access to national organizations such as the National Arthritis Foundation for more information.

