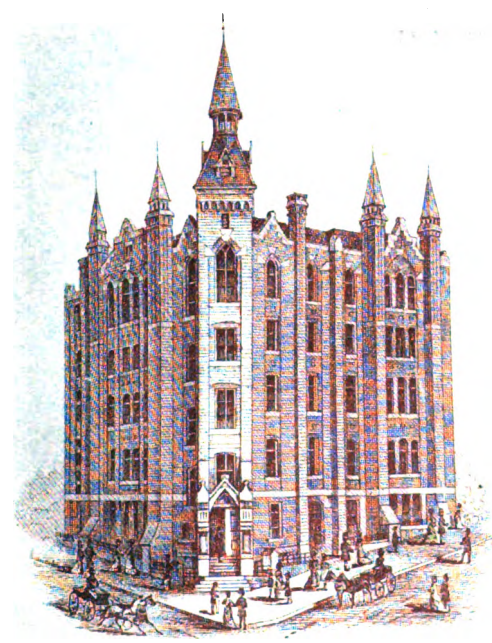


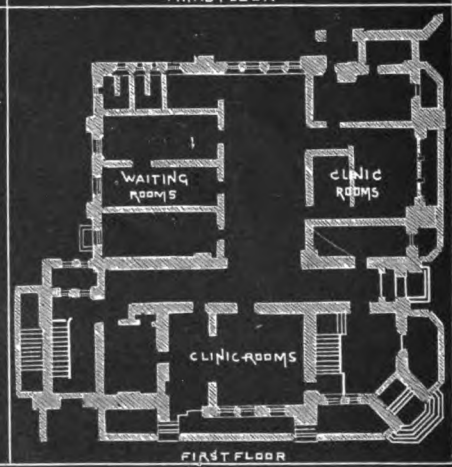
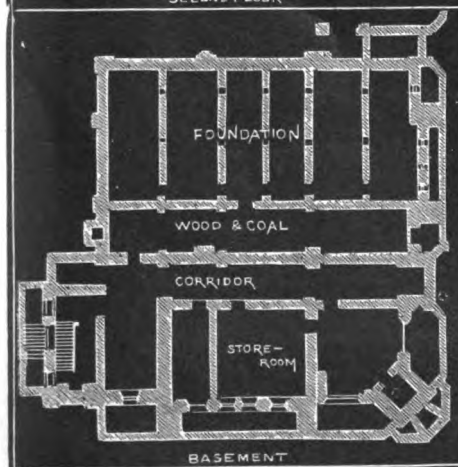
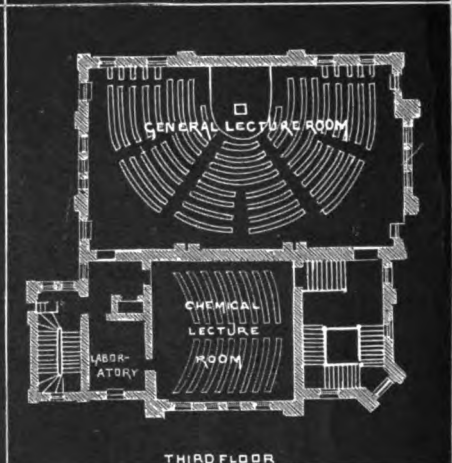
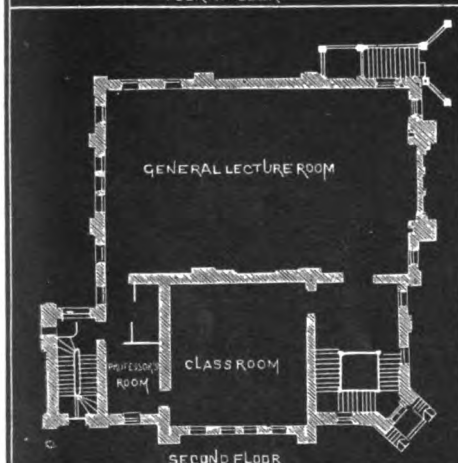
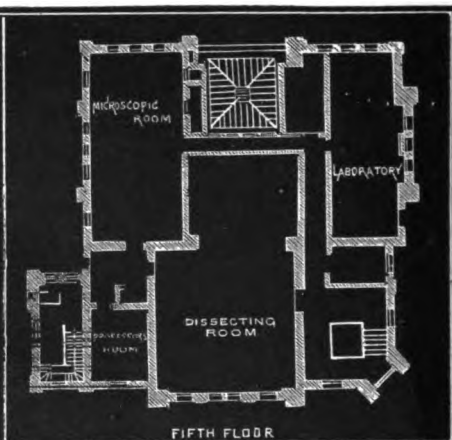
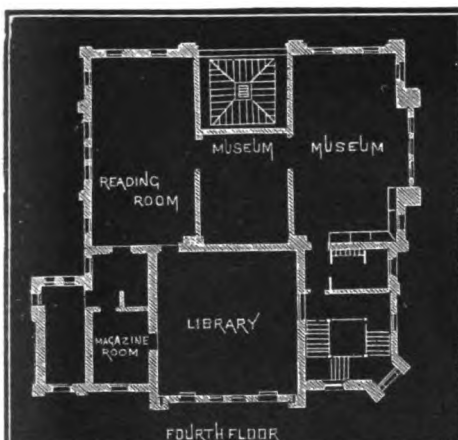
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COOPER
MEDICAL COLLEGE
SAN FRANCISCO



ANNUAL ANNOUNCEMENT.

SESSION OF 1899



ANNUAL ANNOUNCEMENT
OF
COOPER MEDICAL COLLEGE
SUCCESSOR TO THE
MEDICAL COLLEGE OF THE PACIFIC
SAN FRANCISCO
SESSION OF 1889

SAN FRANCISCO:
W. A. Woodward & Co., Printers, 522 California St.
1889.

Calendar.

Intermediate Course begins January 14th, ends April 27th.

Intermediate Course Examination begins April 29th.

Regular Course begins June 1st, ends Oct. 31st.

Intermission begins August 18th, ends September 1st.

Examination for Graduation begins November 1st.

General Examination begins November 1st.

Commencement, November 12th.

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Faculty.

L. C. LANE, A. M., M. D., M. R. C. S., LL. D.
Professor of Surgery and President of the College.

C. N. ELLINWOOD, M. D.,
Professor of Physiology.

ADOLPH BARKAN, M. D.,
Professor of Ophthalmology and Otology.

JOS. H. WYTHE, M. D., LL. D., F. R. M. S.
Professor of Microscopy and Histology.

HENRY GIBBONS, JR., M. D.,
Professor of Obstetrics and Diseases of Women and Children.

WILLIAM A. DOUGLASS, M. D.,
Emeritus Professor of Clinical Surgery.

JOS. O. HIRSCHFELDER, M. D.,
Professor of Clinical Medicine.

CLINTON CUSHING, M. D.,
Professor of Gynecology.

W. D. JOHNSTON, M. D.,
Professor of Chemistry and Toxicology.

R. H. PLUMMER, A. M., M. D.,
Professor of Anatomy.

CHAS. H. STEELE, A. M., M. D.,
Professor of Materia Medica and Therapeutics.

SAMUEL O. L. POTTER, A. M., M. D.,
Professor of the Principles and Practice of Medicine.

JOHN F. MORSE, M. D.,
Professor of Clinical Surgery.

W. S. WHITWELL, A. M., M. D.,
Adjunct to the Chair of Obstetrics,
and Lecturer on Mental Diseases.

CHAS. E. FARNUM, M. D.,
Demonstrator of Anatomy.

E. E. KELLY, A. B., M. D.
Assistant Demonstrator.

A. A. ABRAMS, M. D.,
Demonstrator of Pathology.

B. F. HECOX, Janitor.

HENRY GIBBONS, JR., M. D., Dean.
Office, 920 Polk street, cor. Geary.

ALUMNI ASSOCIATION OF COOPER MEDICAL COLLEGE.

Officers for 1888-89.

President,
ALBERT ABRAMS, M. D.
First Vice-President,
GEORGE F. HANSON, M. D.
Second Vice President,
E. GALLIMORE, M. D.
Recording Secretary,
DENIS F. RAGAN, M. D.
Corresponding Secretary,
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Trustees.
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CHARLES E. FARNUM, M. D.
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HENRY H. HART, M. D. G. J. FITZGIBBON, M. D.
JOHN F. MORSE, M. D. C. G. KENYON, M. D.
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Laboratory Committee

WM. D. MCCARTHY, M. D. GEO. CHISHMORE, M. D.
EDWARD G. FRISBIE, M. D.

Committee on Prize Essays.

C. E. FARNUM, M. D. MARSHALL M. CHIPMAN, M. D.
F. H. TITUS, M. D.

Banquet Committee.

F. H. STAHL, M. D. A. S. LOVELACE, M. D.
D. F. RAGAN, M. D. WM. H. GRISWOLD, M. D.

Meeting is held in the College building on Commencement Day, at 3 o'clock,
P. M.

Communications relating to the Alumni Association should be directed to the
Secretary, D. F. Ragan, M. D., 939 Howard street, San Francisco, Cal.

ANNOUNCEMENT.

1889.

Cooper Medical College,

So named from the late Professor Elias Samuel Cooper who founded the first medical college on the Pacific Coast, of which this is the legitimate successor, was endowed in 1882, by Professor L. C. Lane, with a handsome, commodious and substantial edifice, within which it has been the endeavor of the Faculty to provide every appliance and apparatus which may aid in the study of medicine. The College is situated on the northeast corner of Sacramento and Webster streets, one block from the California Street cars, and four blocks from the Sutter Street cars, by which line the City and County Hospital may be readily reached. It has been and will continue to be the constant aim of the Faculty to keep pace with the just demands of the profession for a higher standard of education. In evidence of which may be mentioned: *first*, the increase of the curriculum in 1879, so as to require *three* courses of lectures prior to graduating, instead of *two*; *second*, the requirement of a matriculating examination; *third*, the requirement, in 1886, of attendance upon one winter course of sixteen weeks, in addition to the three regular courses.

Library and Museum.

The Library is provided with a large number of standard works, and each year additions are made thereto. The Museum already contains a valuable collection of pathological specimens, and affords a safe repository for the preservation of such things as our alumni may choose to place there. All specimens will be carefully preserved and labeled with the name of the donor. Contributions to both Library and Museum, with history of specimens, are earnestly solicited.

Lane Lectures.

In the establishment of Cooper Medical College, a condition accompanying the donation of the property was that, besides being used as an institution of medical education, there should likewise be held, annually, a course of public lectures, called the "Lane Lectures," to be delivered semi-monthly, from January to May, inclusive, and that admission to the same should be free.

In the creation of this course, the founder has entertained the hope that, besides being a public utility, it would tend somewhat to relieve medicine of the complaint of exclusiveness, often charged against it—of neglecting to contribute its quota to the diffusion of knowledge in those departments of science with which medical men are familiar. A prominent aim of a majority of these lectures will be to illustrate those topics which are comprised under the head of *public health*; some, however, will have a more scientific cast, and, it is believed, may aid in dispelling the errors popularly prevalent, that our profession is making no advances, and show, to the contrary, that no scientist is working more faithfully than the medical, and that in no department of science are more new tracts of knowledge being added than in medical science.

To conform to the purposes of the donor, as just stated, the Faculty of Cooper Medical College will deliver the seventh course of lectures, in the new building, upon the evenings of the first Friday in January, and every alternate Friday, until the ten lectures have been delivered.

Three Years' Curriculum.

Three Regular Courses of lectures are required in this College to complete the curriculum. No increase of expense to the student will result, nor will the plan necessarily extend the period of study, but rather provide for a more systematic and profitable use of time, and better fit the student for the arduous and responsible duties of his profession.

Matriculation.

In carrying out the plan of a three-years' course, a matriculating examination, or other evidence of the possession of a fair education, will be required, with the expectation of making such examination more complete, as the future may determine.

No student will be admitted to the curriculum who has not attained the age of eighteen years.

All applicants for admission, except such as possess the qualifications hereinafter described, must pass a matriculating examination.

Graduates of literary, scientific, medical or pharmaceutical colleges or universities, in good standing, graduates of High schools, and applicants who have passed the examination for admission to any recognized literary college or university, or who hold first grade certificates from any Public School Board, as properly qualified teachers, shall, on producing proper evidence of the same, be admitted to matriculation without examination.

The examination will be practical rather than technical, its objects being to determine the candidate's general knowledge and natural capacity, and whether his previous acquirements have been sufficient to enable him to pursue the study of medicine to advantage.

The candidate will be examined in the following branches:

A. **ENGLISH COMPOSITION.**—He will be asked to write a short composition on some selected subject.

B. **PHYSICS.**—He will be questioned upon elementary philosophy, such as may be found in Avery's Physics, Parker's Philosophy, etc.

C. **ARITHMETIC.**—He will be questioned on this branch.

D. **LATIN.**—He will be exercised in the declension of nouns and in Latin grammar. A scholastic knowledge of this branch is not required or considered essential, but since Latin is the language of Science, its technical names being largely drawn from this source, a knowledge of it must facilitate the matriculate's studies, and it seems proper that he should have at least an elementary acquaintance with it. Should the student not possess this knowledge on entering, he will not be rejected, but will be accepted conditionally upon his qualifying himself by the beginning of the second term.

Attendance upon three full Regular or Summer Courses of lectures is obligatory. The last, at least, must be attended at this college.

Students are *required* to attend the Intermediate Course of their third, or graduating, year. At its close, examinations will be held. They will not be *obliged* to attend the Intermediate Course of other years, although such attendance is *earnestly urged*.

Evidence of attendance upon one or two regular courses of medi-

cal lectures in recognized colleges will be accepted as equivalent to attendance for a like period at this college.

Graduates in good standing, of other medical colleges, will be required to attend one course only.

Graduates of Pharmacy, in good standing, from regular colleges of pharmacy, will be admitted to the second year, their previous studies being considered equivalent to one year's study in medicine.

Students are required to attend all didactic lectures during the first year, but to give special attention and study to Descriptive Anatomy, Physiology, Chemistry, Surgery, Practice of Medicine and Microscopy, upon which subjects examinations will be required at the close of the term, those failing therein having to subject themselves to a second examination at the beginning of the subsequent course. A second failure will necessitate attendance upon such branch or branches during the third year. Attendance upon clinics is not required.

In the second year all lectures and clinics must be attended. At its close examinations will be required in Descriptive Anatomy, Physiology, Chemistry, Surgery, Practice of Medicine, Microscopy, and Materia Medica; those in Descriptive Anatomy, Physiology and Chemistry being final, except in case of failure, which will oblige the student to take another examination at the beginning of the next course, or to continue attendance upon lectures on the branches failed in during the third year.

If circumstances prevent the attendance of Freshmen or Juniors upon the examination, they must offer their excuses to the President of the College, and receive from him a written permission to take the examination in the third week of the succeeding regular course. A neglect to comply with this regulation will be equivalent to a complete failure in the examinations. Students failing in these examinations will be debarred from entering the succeeding classes.

In the third year all lectures and clinics are to be attended, except lectures in Chemistry and Physiology, if examination in these has been successfully passed. Special attention must be given to clinics.

The final examinations, written and oral, will be upon Principles and Practice of Medicine, Clinical Medicine and Diagnosis, Surgery, Clinical Surgery, Applied Anatomy, Obstetrics and Diseases of Women and Children, Gynecology, Materia Medica and Therapeutics, Ophthalmology and Otology, and Microscopy and Histology.

Students intending to finish their education in Great Britain, and to obtain a British degree or other qualification in medicine or surgery, should apply to the Dean of this college in writing, on or before their first entering the college, for the *Special Preliminary Examination in Arts*, required by the regulations of the General Council of Medical Education and Registration of the United Kingdom. For those who have passed this examination, *before attending their first course of lectures*, the diploma and tickets of this college are recognized by the Royal College of Surgeons of England, the Medical Faculty of the University of Glasgow, and presumably by the other 17 Examining Boards in Great Britain and Ireland. This examination is not required of those who are graduates in Arts of a University recognized for that purpose in England.

The fee for this examination is \$15, to be paid when the application is handed in. The subjects of the examination are as follows:

(1) English Language, including grammar and composition. (2) Arithmetic, including vulgar and decimal fractions. (3) Algebra, including simple equations. (4) Geometry—the first book of Euclid. (5) Latin Language; including grammar, and translations from Cæsar, *De Bello Gallico*, books 1 and 2; or Virgil, *Æneid*, book 1. (6) English History. (7) Geography. (8) One of the following optional subjects, viz.: (a) Greek Language, first chapter of St. John's Gospel. (b) French Language, first chapter of *Télémaque*. (c) German Language, Adler's Reader, 1st part. (d) Physics, Peck's Ganot (to include Mechanics, Hydrostatics and Pneumatics).

Students and graduates of this college, who are graduates in Arts of a University, recognized for that purpose, or who have passed a matriculating examination equivalent to such graduation, are admitted, on application, to the University of Berlin, and are there credited with the time spent in professional study here.

The recognition specified in the preceding paragraphs is the full extent accorded by the educational bodies named, to any medical college in the United States.

The Method of Teaching

Combines recitations, lectures and clinics. In the regular course, the afternoon of each day in the week is devoted to lectures, and the morning to clinics or the study of disease at the bedside. The increasing appreciation of the importance of clinical teaching is fully recognized

by the Faculty ; hence every opportunity is secured for adding to its resources in this direction. The following hospitals and institutions are open to the students:

CITY AND COUNTY HOSPITAL (464 beds)—In this hospital are treated annually between 4,000 and 5,000 patients, thus affording ample opportunities for observation of a large variety of disease. Students have free access to the hospital under guidance of the several Professors. Clinical instruction will be regularly given in surgery (with operations), diseases of the eye and ear, and of the skin, diseases of women, and disease in general. Opportunities are offered for the practical study of midwifery, and obstetric cases will from time to time be placed in the care of advanced students. A very important field is presented for the study of pathological anatomy, students having the privilege of being present at post-mortem examinations, which are numerous, and in the highest degree instructive.

MORSE DISPENSARY.—This clinic is held in the College building, the entire first floor being devoted to its use. Clinics are held on three days of the week by seven clinical teachers. All patients are examined and prescribed for in the presence of the students. Advanced students have the opportunity of examining and diagnosing disease under the direction of the instructors. The clinic is of special value, as enabling them to gain practical experience in the diagnosis and treatment of diseases of women and children, which cannot be obtained elsewhere; and to take charge, under proper guidance, of cases of disease. The great value of this clinic, the great variety and abundance of material at command, are best illustrated by a brief statement of its work. During the past year the *new cases* alone have numbered about 2,000, besides a large number which had presented themselves in the previous year:

	NO. NEW CASES.	OPERATIONS.
Eye Clinic, - - - -	} 638	83
Ear, Nose and Throat Clinic, - - - -		
Venereal Clinic, - - - -	104	13
Medical Clinic, - - - -	376	
Surgical Clinic, - - - -	461	138
Children's Clinic, - - - -	151	
Female Clinic, - - - -	127	40
Nervous Diseases Clinic, - - - -	108	

Instruction in practical surgery will be given by Professor J. F. Morse. Professor Barkan will give clinics on the eye and ear, and on diseases of the nose and throat, an hour of each week being devoted to ophthalmological practice by the senior class; Professor Hirschfelder will devote special attention to diseases of the nervous system, during which course the minute anatomy of the brain and cord will be taught and demonstrated; Professor Cushing to diseases of women; Professor Ellinwood to genito-urinary diseases; Prof. Samuel O. L. Potter will give clinics on internal medicine; Professor Steele on diseases of children, and Professor Morse on diseases of the skin. Obstetric cases will from time to time be placed under the care of advanced students.

Special attention will be devoted to the peculiarities of diseases on this coast, so as to adapt the course of instruction particularly to the wants of the practitioners.

Practical Anatomy—Dissection.

The arrangements for the Anatomical Course are of the most complete character; the Dissecting Room is large, well ventilated and lighted, and supplied with all the requisite conveniences. Anatomical Lectures will not only be illustrated by recent preparations, but by elaborate plates and diagrams, and special pains will be taken to familiarize the student with the pathological changes induced in the various organs as the result of disease. For purposes of dissection, no climate can be more suitable than that of San Francisco. Indeed, it offers peculiar advantages for the prosecution of this branch. The great objection to dissection in the summer months in the East is the rapidity with which decomposition takes place. Here we suffer no such disadvantage; there are no rains during the Lecture months, the atmosphere is dry, the temperature rarely above 70 degrees, and ranging considerably below that; and a strong breeze blows from the ocean from before noon until night. All these circumstances tend to retard decomposition, and to prevent, in a measure, as well as to carry off, unwholesome effluvia, and to permit the cadaver (when properly prepared) to be kept an indefinite period.

It is unnecessary to dwell upon the increased facilities—other things being equal—which the long, bright days of summer give for such studies over the shorter and darker days of winter. The Dissecting-

Room is always abundantly supplied with material properly prepared for use, and is opened for the use of students the year round.

General Outline of the Course of Lectures.

PRINCIPLES AND PRACTICE OF MEDICINE.—This chair is now permanently supplied by Professor Samuel O. L. Potter, who is an earnest and indefatigable student. He is the author of a number of publications, among which may be mentioned several Quiz Compends, and a work on *Materia Medica and Therapeutics*, lately issued. One lecture a week in the Intermediate and three a week during the Regular Course will be delivered from this chair. The Dispensary Clinic will be in charge of Professor Potter.

CLINICAL MEDICINE.—Instruction in this department is given at the City and County Hospital by Professor J. O. Hirschfelder, who is one of the visiting physicians of the Hospital. Particular attention is devoted to the subject of physical diagnosis; and in consequence of the classes not being as large as in the Atlantic schools, each student here has the privilege of special instruction in this branch of medicine. With the large mass of clinical material always present in our County Hospital, the student receives quite as thorough training here for his future career of medical practitioner as he could have at any of the great medical centers abroad.

SURGERY.—Surgery, general and special, is taught by Professor Lane in a manner to correspond to the extended curriculum of three years. The lectures of each of the three years consist of new matter, so that at the completion of the triennial course, the notes which each student is required to take will supply him with a complete system of surgery, derived from American, English, French and German sources; and annually, to keep pace with recent advances, there will be embodied such changes as the progress of surgery demands. Besides this didactic discipline, during the intermediate term, Professor Lane will give a course of operative surgery illustrated upon the dead subject. In this work he will endeavor to combine the excellencies, which, in a prolonged visit abroad, he observed in similar courses in the French and German school; he will, however, follow in the main the work of Farabeuf, lately published, as a guide in this important department of surgery.

CLINICAL SURGERY.—This chair is filled by Professor W. A. Douglass, who is visiting surgeon to the City and County Hospital, and Professor John F. Morse. At the City and County Hospital clinics are given upon three days of the week, and frequently important operations are performed in the presence of the students. Professor Morse has charge of the surgical clinic at the Dispensary.

PHYSIOLOGY.—Professor C. N. ELLINWOOD. The lectures and recitations in this important department will thoroughly familiarize the students with established facts relating to the functions of organs and the laws of life. Demonstrations will be made upon living animals, of important functions, when it seems necessary or beneficial to the student.

DISEASES OF THE EYE AND EAR.—Professor A. BARKAN. Instruction will be given through didactic lectures and clinics, both at the City and County Hospital and at the College Dispensary. Each student is offered special instruction in the use of the ophthalmoscope and the various instruments employed in the examination of the eye and ear, and cases are sufficiently numerous to permit a familiarization with the diseases of these organs and with their treatment. Prof. Barkan will also give instruction in diseases of the throat and the use of the laryngoscope.

MICROSCOPY.—Professor J. H. WYTHE. In this department, besides instruction in the mechanism and construction of the microscope, the student will receive practical training in the use of this instrument, in which he will be enabled to learn the characteristic appearance of the various tissues of the human body, in health and disease; also the modes of preparing and preserving sections of such tissues. He will receive, also, from this Chair, thorough instruction in the recent doctrines of modern pathology, in which special attention will be given to the subject of tumors. In the new College building careful provision has been made for instruction in this department, in the construction of a large room, with light from the north. Recently fifteen new microscopes have been added to the number already on hand, so that every student has opportunity for practical work. Besides the regular instruction in microscopy, Professor Wythe will give private instruction to such students as may desire to devote more attention to this subject.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN.—Professor HENRY GIBBONS, JR. Lectures upon this branch will be given on two days of the week at the College, and will be so arranged as to complete the course in two years, the most important subjects being repeated each year. The lectures will be illustrated by diagrams, manikins, wet preparations, etc., and the cadaver will be used to illustrate such obstetric operations and procedures as can be so presented. Advanced students will have opportunities of securing obstetric cases from the City and County Hospital and from the Morse Dispensary. Upon one day of each week didactic lectures will be given from this Chair on the important subject of diseases of children, which will be supplemented by clinics at the Morse Dispensary. Dr. W. S. Whitwell is adjunct to this Chair, and will give valuable assistance in preparing the student for his duties as an obstetrician.

GYNECOLOGY.—Professor CLINTON CUSHING. If any branch of medicine may be said to be peculiarly American, it is gynecology. In this country gynecology certainly has received more attention from the profession than elsewhere, and the labors of Marion Sims, Thomas, Peaslee, Altee, Emmett, and others, have brought it into such prominence and importance, as to require a special Chair. Didactic and clinical lectures, amply illustrated by models, diagrams and patients, will give the student every opportunity of perfecting himself in this branch.

CHEMISTRY AND TOXICOLOGY.—Professor W. D. JOHNSON. This course will present a systematic study of theoretical and experimental chemistry, as viewed from the modern standpoint.

The chemical laboratory is furnished with every appliance necessary to the thorough instruction of the student in medical chemistry. Students will be instructed in the use of the spectroscope in its application to medicine.

The chemical examination of the urine will receive special attention. The detection of poisons and their antidotes will be given the consideration its importance merits.

MATERIA MEDICA AND THERAPEUTICS.—This Chair is under the supervision of Professor CHAS. H. STEELE. The lectures, illustrated by the various crude and officinal drugs, will relate principally to the latest physiological discoveries, the practical use of medi-

cines in therapeutics, and to other remedial measures than those pertaining to pharmacy. All new drugs will receive consideration, and the art of writing prescriptions will be practically taught. The lectures are arranged so as to complete the course in two years.

The student has an opportunity in the College Dispensary, and through the kindness of Messrs. Redington & Co., in the largest manufacturing establishment on the Coast, to obtain a practical knowledge of pharmacy, which is of much importance to the country practitioner.

ANATOMY.—This branch is under the care of Professor R. H. PLUMMER. As a thorough understanding of the subject is the basis of a good medical education, every effort is made that the instruction shall be thorough and practical. Lectures are illustrated by anatomical preparations and dissections. Careful attention is given to topographical and applied anatomy. The lectures are supplemented by frequent demonstrations by the demonstrator of anatomy, who is prepared to give individual instruction to students.

As a stimulus to anatomical work, this Chair offers fifty dollars in prizes, for the best dissections during the year.

Intermediate Course.

(BEGINS JANUARY 14, 1889.)

The Intermediate Course begins on the second Monday in January of each year, and continues sixteen weeks. From eight to ten lectures per week are delivered, leaving ample time for studies in practical anatomy. Clinics are given in the hospitals and at the College, as in the Regular Course. The Intermediate Course affords an excellent opportunity for the consideration of such subjects as cannot receive much attention during the Regular Term. Students are earnestly urged to attend. They are required to attend the Intermediate Course of their third year.

Lectures upon the following subjects will be delivered in the Intermediate Course of the present year:

Professor LANE—Ligations and Amputations.

Professor ELLINWOOD—Syphilis.

Professor BARKAN—Diseases of the Eye, Ear and Throat.

Professor WYTHE—Microscopical Technology.

Professor GIBBONS, JR.—Physical Diagnosis.

Professor JOHNSTON—Laboratory Instruction and Medical Jurisprudence.

Dr. FARNUM—Anatomy.

Professor C. H. STEELE—Electro-Therapeutics.

Professor POTTER—Heart Diseases.

Professor J. F. MORSE—Diseases of the Skin.

Dr. W. S. WHITWELL—Mental Diseases.

SPECIAL CLINICS, CONTINUED THROUGHOUT THE YEAR, AS FOLLOWS:

Professor HIRSCHFELDER—Diseases of the Nervous System.

Professor CUSHING—Diseases of Women.

Professor BARKAN—Diseases of the Eye, Ear and Throat.

Prof. Barkan and assistant will give once a week to the senior class a course of practical instruction in the use of the eye, ear and throat mirrors.

Professor DOUGLASS—Surgery.

Professor ELLINWOOD—Diseases of the Genito-Urinary Organs.

Professor CHAS. H. STEELE—Diseases of Children.

Professor J. F. MORSE—Surgery, Diseases of the Skin.

Professor S. O. L. POTTER—Internal Medicine.

A charge of \$25 is made for the Intermediate Course, which sum, however, will be placed to the credit of such student as attends the succeeding Regular Course. Hence there will be no addition to the fees, but simply a change in their time of payment.

Regular Course.

BEGINS SATURDAY, JUNE 1, 1889.

It will be seen that the Regular Course in this institution is held in the summer and autumn. These are undoubtedly the most appropriate seasons for prosecuting the course of study in California. The objections to the summer course which obtain on the Atlantic border are entirely unknown here. The heat is never oppressive or enervating; on the contrary, the bracing summer winds conduce to mental activity. The dryness of the atmosphere prevents decomposition; thus dissecting can be carried on with far more comfort and satisfaction than during the winter or summer in other climates. The course terminates in October, thus continuing five months. The graduating exercises are held early in November. From four to six didactic lectures, of an hour each, are given daily; these, with the numerous

clinics, demonstrations, and operations, will, of necessity, monopolize the entire time of the student. As students find it of advantage to have a vacation in the middle of the Term, it has been the custom to have, some time in August, an intermission of two weeks. This respite from lectures will enable those who may have applied themselves too arduously to recuperate, and give others an opportunity to perfect themselves in practical anatomy. The Clinics will be continued during this intermission.

Branches Taught.

The following are the principal branches taught:

Principles and Practice of Medicine, Clinical Medicine and Diagnosis, Surgery, Surgical Anatomy, Clinical and Operative Surgery, Descriptive and Practical Anatomy, Microscopy and Histology, Pathology (with practical illustrations), Obstetrics, Diseases of Women and Children, Gynecology, Theoretical and Practical Physiology, Ophthalmology, Otology, Clinical Ophthalmology and Otology, Inorganic and Organic Chemistry, Analytical Chemistry, Toxicology, Materia Medica, Therapeutics, Hygiene and Insanity, Medical Jurisprudence, Physical Diagnosis (Auscultation, Percussion, etc.), Laryngoscopy.

Text-Books and Works of Reference.

The following list of books is given, from which the student may select. The first named are, in general, accorded the preference.

ANATOMY—Gray, Holden, Weisse.

SURGERY—Bryant.

SURGICAL PATHOLOGY—Billroth.

PRACTICE OF MEDICINE—Hughes' Compend, Strumpell, Flint.

CLINICAL MEDICINE AND DIAGNOSIS—Finlayson, Da Costa.

PHYSIOLOGY—Dalton, Carpenter.

CHEMISTRY—Witthaus' Students' Manual.

TOXICOLOGY—Wormley.

MICROSCOPY—Wythe, Beale, Klein.

OBSTETRICS—Leishman, Lusk, Playfair, Barnes.

DISEASES OF WOMEN—Thomas, Emmet.

DISEASES OF CHILDREN—Meigs & Pepper, Smith, Henoch.

MATERIA MEDICA AND THERAPEUTICS—H. C. Wood, Bartholow, Edes.

OPHTHALMOLOGY—Nettleship, Juler.

OTOLOGY—Roosa.

DISEASES OF THE SKIN—Tilbury Fox, Duhring.

PATHOLOGY—Wagner, Rindfleisch.

MISCELLANEOUS—Thomas' Medical Dictionary, Bumstead or Keyes on Venereal Diseases, Woodman & Tidy's or Taylor's Medical Jurisprudence, Legg's Urinary Analysis, Pepper's System of Medicine.

Aggregate Fees for Three Regular Courses.

FIRST COURSE.

Matriculation.....	\$ 5
Lectures, to be paid at beginning of term.....	130
Demonstrator's Ticket.....	10
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	\$145

SECOND COURSE.

Lectures, to be paid at beginning of term.....\$130

LECTURES.—Free to such as have paid for two full courses in this College.

THIRD COURSE.

Graduation, to be paid October 1st, and refunded in case of failure in examination.....\$ 40

Total Fees for three Courses and Graduation.....\$315

Requirements for Graduation.

1. The candidate must be of good moral character, and at least twenty-one years of age.

2. Must have attended three Regular Courses of Medical Lectures, the last of which must have been delivered in this institution, two courses of Clinical Instruction and the Intermediate Course of his third year. Attendance upon the Intermediate or Winter Course *alone* will not fill the conditions of this requirement.

3. He must have attended at least one Course of Practical Anatomy in the Dissecting-room, and present evidence of having dissected the entire subject (five parts).

4. He must write a Medical Thesis, and submit the same to the Faculty, on or before the 1st of October. It is recommended that

the thesis shall be based upon cases actually observed and studied by the student at the College and Hospital Clinics.

5. He must have passed successfully the examinations required by the Faculty and have paid all fees due the College.

Graduates from other Medical Colleges in good standing, desiring to attend lectures, are required to matriculate only. Those desiring the degree are required, in addition, to present satisfactory testimonials of character and professional standing, to submit to examination in all the branches, and to pay a fee of fifty dollars.

Internes.

Students, immediately upon graduation, are eligible to appointment as Internes for one year at the City and County Hospital. The position entitles its possessor to room and board free of expense, and affords an invaluable opportunity for obtaining practical knowledge and experience.

Boarding.

Students can obtain good rooms and board at prices varying from five to ten dollars per week.

All further information that may be desired, can be obtained by applying in person or by letter, to HENRY GIBBONS, JR., M. D., Dean of the Faculty, No. 920 Polk Street, corner of Geary Street.

GRADUATES, 1888.

NAMES.	RESIDENCES.
JOSEPH HENRY CAMPBELL	C. & C. Hospital, San Francisco, Cal.
TENISON DEANE	San Francisco, Cal.
THOMAS LOUIS MAHONEY	San Francisco, Cal.
MARY GERTRUDE PAGE	Alameda, Cal.
JONATHAN MORFFEW PEEL	C. & C. Hospital, San Francisco, Cal.
NATHAN ROSENCRANTZ	San Francisco, Cal.
GEO. ROTHGANGER, A. B.	C. & C. Hospital, San Francisco, Cal.
FRED HENRY STAHL	German Hospital, San Francisco, Cal.
LUDWIG RUDOLF STAMMER	San Francisco, Cal.
GEORGE BURBANK SOMERS, A. B.	S. P. R. Hospital, Sacramento, Cal.
JOHN BERNARD TENNENT	San Francisco, Cal.
JOSEPH WOLF, JR.	San Francisco, Cal.
EFFIE DEANE WORLEY	San Francisco, Cal.
MINNIE GREENSTREET WORLEY	San Francisco, Cal.

MATRICULATES, 1888.

NAMES.	RESIDENCES.
GEORGE HERBERT ABBOTT	San Francisco, Cal.
JAS. THOMAS CLIFFORD AFFLECK	San Francisco, Cal.
CHARLES ARCHIBALD	San Francisco, Cal.
CARRIE BAKER	Oakland, Cal.
LAURA DORCAS LOWELL BALLARD	Alameda, Cal.
FRANK ROOKER BALLARD	Lebanon, Or.
JOHN SHERIDAN BARRETT, A. B.	San Francisco, Cal.
WILLIAM LEE BERRY, B. S.	Wheatland, Cal.
FRANK ELLSWORTH BLAISDELL	San Diego, Cal.
EUGENE SALVADOR BONELLI	San Francisco, Cal.
HENRY CLARK BRADFORD	San Francisco, Cal.
EDWARD CHAPPELL BREWER	San Mateo, Cal.
HENRY BRODEK	San Francisco, Cal.
FRANK MARTIN BROOKS	Salem, Or.
DORUS BRUMWELL	Salinas City, Cal.
CHARLES HERMAN BULSON	Eureka, Cal.
SAMUEL HAWKINS BUTEAU	San Lorenzo, Cal.
MARY AGNES CACHOT	San Francisco, Cal.
JOSEPH HENRY CAMPBELL	Santa Rosa, Cal.
WILLIAM FITCH CHENEY, B. L.	Chico, Cal.
WILLIAM AMIE CLARK	Alameda, Cal.
ROLLO STEARNS CLASON	Oakland, Cal.
WALTER BARNARD COFFEY	San Francisco, Cal.

CHARLES EBEN COOPER	San Francisco, Cal.
HARRY NELSON CROSS	Stockton, Cal.
TENISON DEANE	San Francisco, Cal.
WILLIAM BLAMYER DEAS	Alameda, Cal.
JAMES THOMAS DOWLE	San Francisco, Cal.
AUGUST ADOLPH DROSSEL, Ph. G.	San Francisco, Cal.
JEFFERSON DAVIS FENTON, B. S.	McMinnville, Or.
CHARLES MORRISON FISHER	San Francisco, Cal.
CHARLES EDGAR FOWLER	Lincoln, Cal.
CHARLES WESLEY FREESE	Eureka, Cal.
JEROME TEWKSBURY GARDINER	Oakland, Cal.
FRED. AUGUST GRAZER, Ph. G.	San Francisco, Cal.
RICHARD EDWARD GIBSON	Bolinas, Cal.
SAMUEL BUFFINGTON GORDON	Monterey, Cal.
EDMOND LOUIS GROS	San Francisco, Cal.
JOSEPH UNDERWOOD HALL, JR.	San Jose, Cal.
HARRIET HOOTON HANNA	San Francisco, Cal.
WILLIAM JAMES HANNA	Grass Valley, Cal.
CHAS. REES HARRY	Stockton, Cal.
ROWLAND ENGLISH HARTLEY	Sacramento, Cal.
DANIEL MORRIS HARVEY	San Francisco, Cal.
JOHN PETER EDMUND HEINTZ	Monterey, Cal.
THOMAS OCHTREIGH HEYDENFELDT	San Francisco, Cal.
P. I. HOWITT	San Gabriel, Cal.
GEORGE RUCIAN HUBBELL	Tomales, Cal.
ANTHONY HUFFAKER	Wheatland, Cal.
JOHN JOSEPH HUG	Santa Cruz, Cal.
EMMA JAMES	Oakland, Cal.
ROBERT L. JUMP, Ph. B.	Downieville, Cal.
HENRIETTA ELIZA KINGDON	Scales, Sierra Co., Cal.
CORDELIA BURT LEGGETT	Oroville, Cal.
CHAS. GABRIEL LEVINSON, Ph. G.	San Francisco, Cal.
FRANK ELIJAH LUMEN, B. Ph.	Santa Rosa, Cal.
ANDREW AUGUSTINE MAGUIRE, B. S.	San Francisco, Cal.
THOMAS LOUIS MAHONEY	San Francisco, Cal.
ABEL HEALD MARTIN	San Francisco, Cal.
THOMAS P. McDONALD	Gold Hill, Nev.
EDWARD JAMES MCGOWAN	San Francisco, Cal.
ALBERT ALEXANDER MILLIKEN	San Francisco, Cal.
CHAS. NEWTON MILLS	San Francisco, Cal.
WILLIAM HARRISON MIZNER	Benicia, Cal.
ELLEN DEANE MOORE	San Francisco, Cal.
WILLIAM LEANDER MOORE	San Diego, Cal.
EDWARD JOHN MORSER	San Francisco, Cal.

LOIS NELSON, B. S.	San Diego, Cal.
LUCIUS WILLIAM NEWELL	San Francisco, Cal.
ROBT. JAMES GOURLEY O'CONNEL.	San Francisco, Cal.
JOHAN PETER OLESEN	San Francisco, Cal.
GEORGE FLORIAN PACHE	Stockton, Cal.
MARY GERTRUDE PAGE	Alameda, Cal.
HARRY LINCOLN PARISH	Oakland, Cal.
EDWARD LYTTLETON PARRAMORE	Gilroy, Cal.
JONATHAN MORFFEW PEEL	San Francisco, Cal.
HARRY PROSCHOLD	San Francisco, Cal.
NATHANIEL ROSENCRANTZ	San Francisco, Cal.
GEORGE ROTHGANGER, A. B.	San Francisco, Cal.
HUBERT NATHAN ROWELL	San Francisco, Cal.
EDWARD HUXLEY SAMUELS, Ph. G.	San Francisco, Cal.
GRANT SELFRIDGE	Oakland, Cal.
FRED. HASTINGS SHANKS	San Francisco, Cal.
WILLIAM LEE SHORT, A. B.	Galt, Cal.
EDWIN RICE SHERLEY	San Francisco, Cal.
WILLIS SPENCER SNEDIGAR, Ph. B.	Oakdale, Cal.
GEORGE BURBANK SOMERS, A. B.	San Francisco, Cal.
FREDERICK HENRY STAHL	San Francisco, Cal.
LUDWIG RUDOLF STAMMER	San Francisco, Cal.
VICTOR JOSEPH STEARNS	San Francisco, Cal.
MICHAEL D. STERN, A. B.	Oakland, Cal.
STANLEY STILLMAN	San Francisco, Cal.
ELMER ELLSWORTH STONE	Marysville, Cal.
IRVIN WILLIAM STRAIN	Eureka, Cal.
ALBERT HENRY TAYLOR	Tulare, Cal.
JOHN BERNARD TENNENT	San Francisco, Cal.
CHAS. ALEXANDER VAN SLYKE	St. Paul, Minnesota.
CHARLES FRED WADE	Chinese Camp, Cal.
WILLIAM S. WAGNER, LL. B.	Oakland, Cal.
JOSEPH WOLF, JR.	San Francisco, Cal.
MICHAEL JOSEPH HENRY WOOLF	Salt Lake City, Utah.
MARK HOPKINS WOOLSEY	Berkeley, Cal.
EFFIE DEANE WORLEY	San Francisco, Cal.
MINNIE GREENSTREET WORLEY	San Francisco, Cal.