

ANNOUNCEMENT

OF THE

SIXTH ANNUAL SESSION

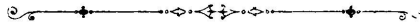
OF THE

Agricultural and Mechanical College

OF TEXAS.

COLLEGE STATION, BRAZOS CO.,

TEXAS.



Board of Directors :

E. B. PICKETT,	-	-	Liberty.
GEORGE PFEUFFER,	-	-	New Braunfels.
T. M. SCOTT,	-	-	Melissa.
C. C. WIGGIN,	-	-	Houston.
J. G. GARRISON,	-	-	Henderson.

FACULTY.

JNO. G. JAMES, *President, and Instructor in Political Economy and Book-keeping.*

J. R. COLE, A. M., *Professor English, History and Literature.*

H. H. DINWIDDIE, *Professor Physics and Chemistry.*

G. GARTNER, *Professor Ancient and Modern Languages.*

C. C. GEORGESON, *Professor Agriculture and Horticulture.*

L. L. MCINNIS, A. M., *Professor Mathematics.*

F. VAN WINKLE, M. E., *Professor Mechanical Engineering and Drawing.*



PLAN OF INSTRUCTION.

The plan of instruction consists of an Agricultural Course of three years for Students in Agriculture, and a Mechanical Course of three years for Students in Mechanics. All Students must enter one or the other of these Courses—pay Students making their own selection, State Students being assigned in accordance with their appointments. Every Student satisfactorily completing either three years' Course will be graduated with the full diploma of the College. No distinction whatever will be made between pay and State Students in studies or duties.

AGRICULTURAL COURSE.

	STUDIES.	Hours Weekly
FIRST YEAR— 3D CLASS.	<p>Mathematics.....</p> <p>English.....</p> <p>Agriculture.....</p> <p>Practice.....</p>	<p>Five.</p> <p>Five.</p> <p>Five.</p> <p>Ten.</p>
	<p>Arithmetic Reviewed, Venable's; Davies' Bourdon begun.</p> <p>Clark's English Grammar, Composition, Declamation.</p> <p>{ Breeds of Horses, Cattle, Sheep and Swine. Soils, their formation and classification.</p> <p>{ Use of Farm Machinery.</p>	
FIRST YEAR— 2D CLASS.	<p>Mathematics.....</p> <p>English.....</p> <p>Agriculture.....</p> <p>Practice.....</p>	<p>Five.</p> <p>Five.</p> <p>Five.</p> <p>Ten.</p>
	<p>Davies' Bourdon finished. Venable's Geometry begun.</p> <p>Stephen's History U. S.; Composition and Declamation.</p> <p>{ Soils continued; History of Agriculture; Structural Botany.</p> <p>{ Use of farm machinery.</p>	
SECOND YEAR— 1ST CLASS.	<p>Mathematics.....</p> <p>Physics.....</p> <p>English.....</p> <p>Agriculture.....</p> <p>Practice.....</p>	<p>Five.</p> <p>Five.</p> <p>Five.</p> <p>Five.</p> <p>Ten.</p>
	<p>Venable's Geometry completed. Schuyler's Trigonometry.</p> <p>General Principles, with laboratory illustrations. Ganot.</p> <p>Hill's Science of Rhetoric; James' Southern Selections; Essays and Declamations.</p> <p>Low's Practical Agriculture. Stewart's Farm Irrigation. Zoology.</p> <p>Practical Instruction in garden, orchard and farm culture.</p>	
SECOND YEAR— 2D TERM.	<p>Mathematics.....</p> <p>Chemistry.....</p> <p>English.....</p> <p>Agriculture.....</p> <p>Practice.....</p>	<p>Five.</p> <p>Five.</p> <p>Five.</p> <p>Four.</p> <p>Ten.</p>
	<p>Surveying. Wood's Elementary Mechanics.</p> <p>Theoretical Chemistry, Roscoe; Experiments.</p> <p>Universal History. Essays. Declamations.</p> <p>Field Crops, Fertilizers, and Tillage, Dairying, Drainage.</p> <p>Instruction in garden, orchard and farm culture.</p>	
THIRD YEAR—1ST CLASS.	<p>Farm Engineering...</p> <p>Chemistry.....</p> <p>Astronomy.....</p> <p>English.....</p> <p>Agriculture.....</p> <p>Practice.....</p>	<p>Three.</p> <p>Eight.</p> <p>Two.</p> <p>Three.</p> <p>Five.</p> <p>Ten.</p>
	<p>Leveling, Surveying, road making, farm fences, bridges, etc.</p> <p>Laboratory work in quantitative and qualitative analysis.</p> <p>Lockyer's Outlines.</p> <p>English Literature, Original Orations, Essays.</p> <p>Farm management, Meteorology, Veterinary Science.</p> <p>Experimental work.</p>	
THIRD YEAR—2D TERM.	<p>Chemistry.....</p> <p>Geology.....</p> <p>English.....</p> <p>Agriculture.....</p> <p>Law.....</p> <p>Practice.....</p>	<p>Eight.</p> <p>Two.</p> <p>Three.</p> <p>Five.</p> <p>Two.</p> <p>Ten.</p>
	<p>Laboratory work in Agricultural Chemistry.</p> <p>Dana's Elements.</p> <p>English Literature, Lectures, Essays and Orations.</p> <p>Veterinary Science, Nursery business, Forestry, Etymology.</p> <p>Constitutions of the United States and of Texas. Fish, game, stock, irrigation laws.</p> <p>Experimental work.</p>	

MECHANICAL COURSE

		STUDIES.	Hours Weekly			
FIRST YEAR— 3D CLASS.	1ST TERM.	Mathematics..... English..... Drawing..... Practice.....	Five. Five. Five. Ten.	Venable's arithmetic reviewed, Davies' Bourdon begun. Clark's English grammar, composition, declamation, Free-hand drawing. Shop practice, elementary constructions in wood.		
	2D TERM.	Mathematics..... English..... Drawing..... Practice.....	Five. Five. Five. Ten.	Davies' Bourdon finished. Venable's Geometry begun. Stephen's History U. S.; compositions, declamations, Free-hand drawing, geometrical constructions with instruments. Wood-working machinery.		
FIRST SECOND YEAR— 2D CLASS.	1ST TERM.	Mathematics..... Physics..... English..... Drawing..... Practice.....	Five. Five. Five. Five. Ten.	Venable's Geometry completed. Schuyler's trigonometry. General Principles, with laboratory illustrations. Ganot. Hill's Science of Rhetoric; James' Southern Selections, Essays, Declamations. Mechanical Drawing. Elementary constructions in metal-working.		
	2D TERM.	Mathematics..... Chemistry..... English..... Drawing..... Practice.....	Five. Five. Five. Five. Ten.	Church's analytical geometry. Surveying, Roscoe's chemistry, and experiments. Universal History, Essays and Declamations. Elements of Machine Drawing. Machine tools, steam enginery, mill work.		
1ST SECOND YEAR— 3D CLASS.	1ST TERM.	Mathematics..... English..... Chemical Physics..... Astronomy..... Engineering..... Practice.....	Five. Three. Six. Two. Five. Ten.	Wood's Mechanics. English Literature, Original Orations and Essays, Special laboratory work. Lockyer's Outlines. Mahan's civil engineering; Field work with compass, level and transit. Descriptive Geometry; special constructions with machines.		
	2D TERM.	Engineering..... English..... Geology..... Law..... Drawing..... Practice.....	Five. Three. Two. Two. Five. Ten.	Pole on Iron; Bourne's steam engine; Fairbairn's mills, and mill work. English Literature, Original Orations and Essays. Dana's Elements. Constitutions of U. S. and of Texas. Designs for shop constructions, and for graduating piece. Special Machine work in construction of graduating piece.		

The object of the College is to supply theoretical and practical *professional training* in Agriculture and the Mechanic Arts. The Courses of Study are carefully arranged with reference to this subject, and only so much literary and general culture is given as is consistent therewith. However, for the benefit of those who have the time, ability and inclination to pursue extra literary studies, the Board of Directors have—

RESOLVED: That the course in Ancient and Modern Languages shall be optional, form no part of the prescribed course in Agriculture and Mechanics, and shall in no way interfere with said courses; and that in no language shall the course of study be longer than three years. Graduates in any of these courses shall be entitled to proper diplomas. No student entering an optional branch shall be permitted to drop it on his application, except at the end of a term; but, should the President at any time be satisfied that such study is detrimental to his regular course, he shall cause him to drop it when he sees fit.

MEANS OF ILLUSTRATION AND PRACTICAL INSTRUCTION

A farm of 2416 acres, 230 under fence, with mules, improved farm machinery, implements, etc.

Vegetable gardens; orchard of peach, apple and pear trees; vineyard.

Chemical laboratory, well equipped for analytical and experimental work with apparatus and chemicals costing \$3000.

Physical laboratory, with valuable and extensive apparatus for illustrating the laws of heat, light, motion, statics, hydraulics, electricity, magnetism, etc.

A complete set of meteorological instruments for recording atmospheric changes, from U. S. Signal Office.

Microscopes, slides, etc., for investigations.

Level, compass, and transit for field work in surveying, leveling and civil engineering.

Drawing academy, fitted out with tables, drawing boards, instruments, models, charts, etc.

Mineralogical and geological cabinets.

Leading English and American technological journals in Agriculture, Mechanics, and related sciences.

Series of Shops, with tools, wood and metal working machinery, 12 H. P. steam engine, all latest and most approved kinds—costing over \$4000.00.

STATE STUDENTS.

The Seventeenth Legislature, by Act approved March 30, 1881, amended the Revised Civil Code as follows :

“Article 3692 a. There shall be maintained and instructed at said college [A. & M. College of Texas] annually, free of charge to them, three students from each senatorial district in this State, one of whom shall be appointed by the Senator of such district, and the other two by the Representatives thereof. One-half of said students so appointed shall be compelled to take an Agricultural, and the other half a Mechanical course of study, to be assigned thereto by the President of said College; and in order to pay their expenses the Comptroller, on proper vouchers being filed in his office by the Directors, is authorized to draw his warrant on the State Treasurer, against any appropriation made for that purpose ”

To carry this into effect, the Board of Directors have adopted the following :

RESOLVED, That the Senator from the 1st senatorial district will appoint one student from said district, who shall take a Mechanical course, and the Representatives from said 1st district will appoint two students from said district, who shall take an Agricultural course in the said A. & M. College of Texas, free of charge; and the Senators and Representatives will appoint students from the other districts as follows :

- 2 District, 1 in Agriculture and 2 in Mechanics.
- 3 District, 2 in Agriculture and 1 in Mechanics.
- 4 District, 1 in Agriculture and 2 in Mechanics.
- 5 District, 2 in Agriculture and 1 in Mechanics.
- 6 District, 1 in Agriculture and 2 in Mechanics.
- 7 District, 2 in Agriculture and 1 in Mechanics.
- 8 District, 1 in Agriculture and 2 in Mechanics.
- 9 District, 2 in Agriculture and 1 in Mechanics.
- 10 District, 1 in Agriculture and 2 in Mechanics.
- 11 District, 2 in Agriculture and 1 in Mechanics.
- 12 District, 1 in Agriculture and 2 in Mechanics.
- 13 District, 2 in Agriculture and 1 in Mechanics.
- 14 District, 1 in Agriculture and 2 in Mechanics.
- 15 District, 2 in Agriculture and 1 in Mechanics.
- 16 District, 1 in Agriculture and 2 in Mechanics.
- 17 District, 2 in Agriculture and 1 in Mechanics.
- 18 District, 1 in Agriculture and 2 in Mechanics.
- 19 District, 1 in Agriculture and 2 in Mechanics.
- 20 District, 2 in Agriculture and 1 in Mechanics.
- 21 District, 2 in Agriculture and 1 in Mechanics.
- 22 District, 1 in Agriculture and 2 in Mechanics.
- 23 District, 1 in Agriculture and 2 in Mechanics.
- 24 District, 2 in Agriculture and 1 in Mechanics.
- 25 District, 1 in Agriculture and 2 in Mechanics.
- 26 District, 2 in Agriculture and 1 in Mechanics.
- 27 District, 1 in Agriculture and 2 in Mechanics.

- 28 District, 2 in Agriculture and 1 in Mechanics.
 29 District, 1 in Agriculture and 2 in Mechanics.
 30 District, 2 in Agriculture and 1 in Mechanics.
 31 District, 1 in Agriculture and 2 in Mechanics.

[In the above, the "one" student is to be appointed by the Senator, the "two" by Representatives.]

"RESOLVED, That the Senators and Representatives be requested to make their appointments after competitive examinations.

"RESOLVED, That should vacancies occur during the session, the Senator or Representatives entitled to make the appointments in the first instance, shall be immediately notified by the President of the A. & M. College of Texas to fill said vacancies. Should such vacancies be not filled in thirty days from the time notice has been sent, the President shall fill said vacancies.

"RESOLVED, That the age of applicants be not under sixteen years, and that they shall be able to pass an acceptable examination in arithmetic as far as and including proportion, and that they have a fair understanding of elementary grammar and geography; but no student shall be matriculated who has a chronic or contagious disease, or is otherwise physically incompetent to perform agricultural or mechanical labor. That such student shall enter the agricultural or mechanical course, and the labor performed by him shall be instructive, the number of hours devoted thereto shall not be less than ten per week; and while performing such service he will be allowed to wear clothing suitable to his occupation. At all other times the students shall wear the prescribed uniform of the College."

Applicants must invariably present written testimonials of good moral character and correct habits.

All State students will receive, free of charge, from the College, board, fuel, washing, lights and tuition, but must pay for their books, clothing, and other personal expenses.

It is earnestly desired that State students be appointed *at once*, and that due notice be sent to the President of the College.

THE SIXTH ANNUAL SESSION

Begins October 1, 1881, and ends on fourth Wednesday in
 June, 1882.

ANNUAL EXPENSE OF PAY STUDENTS.

Matriculation fee,	-	-	-	-	-	\$10 00.
First quarter's board, fuel, washing and lights,						30 00.
Second " " " " " "						30 00.
Third " " " " " "						30 00.
Fourth " " " " " "						30 00.

Payable quarterly in advance. \$130 00.

For further information address

JNO. G. JAMES, PRESIDENT.

Commencement Exercises.

1881.

SUNDAY, JUNE 19.

Commencement Sermon, by Rev. S. M. Bird, of Galveston.

MONDAY, JUNE 20.

Exhibition of Agricultural Department, - - - 10 A. M.
Freshman and Sophomore Declamations, - - - 8 P. M.

TUESDAY, JUNE 21.

Exhibition of Mechanical Department, - - - 10 A. M.
Inspection of all Departments of College, - - - 3 P. M.
Joint Celebration of Literary Societies, - - - 8 P. M.

WEDNESDAY, JUNE 22.

Valedictory - - - by Cadet G. H. Dugan, of Sherman.
Reply - - - by Cadet C. G. Dwyer, of Brenham.
Prize Essay of Natural Science Society, "Electricity as a
Motive Power," - by Charles S. Graves, of Hempstead.

GRADUATE.

George Henry Dugan, - - - - of Sherman.

DIPLOMAS IN LATIN

were awarded W. Campbell, of Tilden, and Jno. W. Thomason,
of Huntsville.

GOLD MEDALISTS.

Natural Science Society Medal, C. S. Graves, of Hempstead.
Prof. McInnis' Mathematical Medal, C. S. Graves, of Hempstead.
Battalion Medal for Best Shot, - H. J. Miller, of Bellville.

EX-CADET REUNION, 3 P. M.

Oration - - - - by J. B. Walker, of Galveston.
Essay - - - - by B. F. Fuller, of Paris.

