

CATALOGUE

OF THE

University of North Carolina

AT

CHAPEL HILL

NINETY-FIFTH YEAR

1889-1890.

## TRUSTEES.

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The government of the University is under the control of a Board of eighty Trustees, elected by the joint vote of the General Assembly, and the Superintendent of Public Instruction, who is an *ex officio* member. Of the eighty, one-fourth go out of office, and their places are filled every two years. Although not so required by law, in practice they are distributed among the Congressional Districts. The Board meets regularly twice a year; in the winter at Raleigh, on a day selected by the chairman, and in the summer at Chapel Hill, during Commencement week. The former is called the Annual Meeting. The Governor is *ex officio* president of the Board. Ten constitute a quorum. During the recess of the Board, an Executive Committee of seven Trustees, elected at the annual meeting, exercise all the powers of the Board of Trustees, except those specially reserved.

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SECRETARY AND TREASURER :

HON. WILLIAM L. SAUNDERS, LL.D.

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JAMES S. BATTLE, Esq.	Warren	“	“
ROBERT L. BEALL, M. D.	Caldwell	“	“
COL. CHARLES W. BROADFOOT	Cumberland	“	“
HENRY R. BRYAN, Esq.	Craven	“	“
HON. FABIVS H. BUSBEE	Wake	“	“

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\*Term of office expires.

Hon. PAUL C. CAMERON, LL.D	Orange	*November 30, 1891.
Maj. JOHN D. CAMERON	Buncombe	“ “ “
E. HAYNE DAVIS, Esq	Iredell	“ “ “
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Hon. WM. L. SAUNDERS, LL.D	Wake	“ “ “
Hon. ZEBULON B. VANCE, LL.D	Mecklenburg	“ “ “
Col. A. B. ANDREWS	Wake	*November 30, 1893.
Hon. RICHARD H. BATTLE	Wake	“ “ “
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JULIAN S. CARR, Esq	Durham	“ “ “
WM. H. CHADBOURN, Esq	New Hanover	“ “ “
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WM. E. HILL, Esq	Duplin	“ “ “
JAMES H. HORNER, Esq	Granville	“ “ “
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Maj. A. M. LEWIS	Wake	“ “ “
Hon. MONTFORD MCGEHEE	Person	“ “ “
THOMAS W. MASON, Esq	Northampton	“ “ “
Col. PAUL B. MEANS	Cabarrus	“ “ “
LEE S. OVERMAN, Esq	Rowan	“ “ “
JAMES PARKER, Esq	Gates	“ “ “
Hon. CHARLES PRICE	Rowan	“ “ “
Rev. THOS. H. PRITCHARD, D.D	New Hanover	“ “ “
Hon. JOHN C. SCARBOROUGH	Johnston	“ “ “
JOHN E. WOODARD, Esq	Wilson	“ “ “
CHARLES B. AYCOCK, Esq	Wayne	*November 30, 1895.
Rev. A. D. BETTS	N. C. Conference	“ “ “
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CHARLES A. COOK, Esq	Warren	“ “ “
JOHN D. CURRIE, Esq	Bladen	“ “ “
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Hon. W. T. FAIRCLOTH	Wayne	“ “ “
Hon. JOHN A. GILMER	Guilford	“ “ “
Maj. JOHN W. GRAHAM	Orange	“ “ “

\*Term of office expires.

H. A. GUDGER, Esq.....	Buncombe .....	*November 30, 1895.
Hon. THOS. M. HOLT .....	Alamance .....	“ “ “
WM. JOHNSTON, Esq.....	Mecklenburg .....	“ “ “
Hon. A. LEAZAR .....	Iredell .....	“ “ “
Rev. W. S. LONG .....	Alamance .....	“ “ “
CHAS. D. MCIVER, Esq .....	Wake .....	“ “ “
HAMILTON C. McMILLAN, Esq.....	Robeson .....	“ “ “
Hon. JOHN MANNING, LL. D. ....	Orange .....	“ “ “
ROBERT B. PEEBLES, Esq.....	Northampton .....	“ “ “
SOLOMON C. WEILL, Esq.....	New Hanover.....	“ “ “
FRANK D. WINSTON, Esq.....	Bertie .....	“ “ “
Hon. A. C. AVERY, LL.D .....	Burke .....	*November 30, 1897.
Rev. W. S. BLACK, D. D .....	Wake .....	“ “ “
Hon. C. M. COOKE.....	Franklin .....	“ “ “
Rev. J. H. CORDON .....	Wake .....	“ “ “
Hon. JOSEPH J. DAVIS, LL.D .....	Franklin .....	“ “ “
RUFUS A. DOUGHTON, Esq.....	Alleghany .....	“ “ “
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PATRICK L. MURPHY, M. D .....	Burke .....	“ “ “
ROBERT W. SCOTT, Esq.....	Alamance .....	“ “ “
Hon. WALTER L. STEELE.....	Richmond .....	“ “ “
Rev. J. L. STEWART .....	Sampson .....	“ “ “
ISAAC R. STRAYHORN, Esq.....	Orange .....	“ “ “
Col. S. MCD. TATE .....	Burke .....	“ “ “
GEORGE N. THOMPSON, Esq.....	Caswell.....	“ “ “
Hon. CHARLES R. THOMAS.....	Craven .....	“ “ “
H. D. WILLIAMSON, M. D.....	Columbus .....	“ “ “

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\*Term of office expires.

## EXECUTIVE COMMITTEE:

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HON. PAUL C. CAMERON, LL.D.,

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HON. THOMAS S. KENAN,

A. M. LEWIS, Esq.,

HON. W. L. SAUNDERS, LL. D.

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COMMITTEE OF VISITATION:

A Special Committee of Visitation of Seven Trustees inspect annually, in person, and report on the working of the institution.

MEMBERS OF THE COMMITTEE FOR 1890.

HON. W. L. STEELE, CHAIRMAN,

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J. E. WOODARD, Esq.

1889-90

UNIVERSITY OF NORTH CAROLINA.

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HON. KEMP P. BATTLE, LL.D.,  
PRESIDENT.

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FACULTY:

HON. KEMP P. BATTLE, LL.D.,  
*Professor of Political Economy, Constitutional and International Law.*

REV. ADOLPHUS W. MANGUM, A. M., D. D.,  
*Professor of Mental and Moral Science.*

GEORGE TAYLOE WINSTON, A. M.,  
*Professor of the Latin Language and Literature.*

FRANCIS PRESTON VENABLE, PH. D., F. C. S.,  
*Professor of General and Analytical Chemistry.*

JOSEPH AUSTIN HOLMES, B. S., F. G. S. A.,  
*Professor of Geology and Natural History.*

JOSHUA WALKER GORE, C. E.,  
*Professor of Natural Philosophy.*

HON. JOHN MANNING, LL.D.,  
*Professor of Law.*

REV. THOMAS HUME, JR., A. M., D. D.,  
*Professor of the English Language and Literature.*

WALTER D. TOY, M. A.,  
*Professor of Modern Languages.*

EBEN ALEXANDER, PH. D.,  
*Professor of the Greek Language and Literature.*

WILLIAM CAIN, C. E.,  
*Professor of Mathematics and Engineering.*

RICHARD H. WHITEHEAD, M. D.,  
*Professor of Anatomy, Physiology and Materia Medica.*

## INSTRUCTORS:

WILLIAM JAMES BATTLE, A. M.,  
*Instructor in Latin.*

JAMES SCOTT CALLISON,  
*Assistant in Chemical Laboratory.*

JOSEPH VOLNEY LEWIS,  
VICTOR SILAS BRYANT,  
*Instructors in Biology.*

ST. CLAIR HESTER, A. B.,  
*Instructor in English.*

HOWARD BURTON SHAW,  
*Instructor in Mathematics.*

To be Elected:

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*Instructor in Mathematics, Drawing and Engineering.*

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OFFICERS:

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*Secretary.*

ST. CLAIR HESTER,  
*Librarian.*

J. W. GORE,  
*Registrar.*

W. T. PATTERSON,  
*Bursar.*

## STUDENTS, 1889-'90.

## POST-GRADUATE STUDENTS.

- BACHELOR, OLIVER DOUGLAS -- Law ----- Nashville.  
A. B., (Univ. of N. C., '88.)
- BATTLE, WILLIAM JAMES --- Latin and Greek ----- Chapel Hill.  
A. M., (Univ. of N. C., '89.)
- DAVIS, HAYNE ----- Law ----- Statesville.  
A. B., (Univ. of N. C., '88.)
- DOCKERY, CLAUDIUS ----- Law ----- Mangum.  
Ph. B., (Univ. of N. C., '87.)
- FOUST, CHARLES GEORGE ----- Law ----- Columbia Factory.  
Ph. B., (Univ. of N. C., '88.)
- HESTER, ST. CLAIR --- Greek, English and History ----- Raleigh.  
A. B., (Univ. of N. C., '88.)
- LITTLE, LACY LEGRAND ----- Law ----- Little's Mills.  
A. B., (Univ. of N. C., '89.)
- MANNING, PIERRE BEAUREGARD --- Law ----- Wilmington.  
A. B., (Univ. of N. C., '86.)
- MCIVER, JOHN FENELON ----- Law ----- Jonesboro.  
A. B., (Univ. of N. C., '87.)
- PATTERSON, GILBERT BROWN --- Law ----- Maxton.  
A. B., (Univ. of N. C., '86.)
- PHARR, HENRY NEAL ----- Law ----- Charlotte.  
A. B., (Davidson College.)
- ROBERSON, WILLIAM STONE --- English and Law ----- Chapel Hill.  
A. B., (Univ. of N. C., '89.)
- SIMMONS, ALBERT MARCHANT --- Law ----- Fairfield.  
A. B., (Univ. of N. C., '87.)
- WITHERS, EUGENE PERCIVAL --- Law ----- Danville, Va.  
Ph. B., (Univ. of N. C., '88)

## SPECIAL STUDENT (PURSUING ADVANCED WORK.)

- CALLISON, JAMES SCOTT ----- Spottswood, Va.

## FOURTH YEAR STUDENTS—(SENIORS).

BATTLE, GASTON	Ph.	-----	Rocky Mount.
BELLAMY, JOHN DILLARD	Cl.	-----	Wilmington.
BRASWELL, JAMES CRAIG	Sc.	-----	Battleboro.
BRYANT, VICTOR SILAS	Ph.	-----	Pineville.
FOUST, JULIUS ISAAC	Ph.	-----	Graham.
GRAHAM, JOHN WOOTEN	Cl.	-----	Keyser.
HOLLAND, RALPH HERSCHEL	Cl.	-----	Charlotte.
JOHNSTON, HENRY	Cl.	-----	Tarboro.
LEE, THOMAS MOSSETTE	Cl.	-----	Clinton.
MCIVER, ALEXANDER, Jr.	Cl.	-----	Pittsboro.
MILLER, HUGH LEE	Ph.	-----	Goldsboro.
PETTY, GEORGE EDWARD	Sc.	-----	Archdale.
PHILBECK, JOSEPH BEATTIE	Cl.	-----	Shelby.
PHILIPS, JAMES JONES	Cl.	-----	Tarboro.
RANKIN, CHARLES ALEXANDER	Cl.	-----	Fayetteville.
SAPP, OSCAR LAMAY	Ph.	-----	Kernersville.
SHAFFNER, WILLIAM FRANCIS	Ph.	-----	Salem.
SHAW, HOWARD BURTON	Cl.	-----	Tarboro.
SNIPES, WILLIAM SEATON	Ph.	-----	Lambsville.
TILLY, GEORGE HINTON VANCE	Ph.	-----	Chapel Hill.
WILLIAMS, JOHN ROBERTS	Cl.	-----	Apex.
WOODARD, PAUL LEE	Sc.	-----	Black Creek.

## THIRD YEAR STUDENTS—(JUNIORS).

ANDREWS, WILLIAM JOHNSTON	Cl.	-----	Raleigh.
ASHE, WILLIAM WILLARD	Ph.	-----	Raleigh.
BALL, MCCORD WRIGHT	Ph.	-----	Greensboro.
BATCHELOR, FRANK HOWARD	Cl.	-----	Raleigh.
BINGHAM, ROBERT WORTH	Cl.	-----	Bingham School.
BRYAN, SHEPARD	Cl.	-----	New Berne.
COLLINS, PLATO	Ph.	-----	Kinston.
COVINGTON, FRANK LEAK	Sc.	-----	Wilmington.
CUNINGGIM, JESSE LEE	Cl.	-----	Chapel Hill.
CURRIE, GEORGE HENDON	Cl.	-----	Clarkton.
CURRIE, NEILL ALEXANDER	Cl.	-----	Clarkton.
DALRYMPLE, PALMER	Cl.	-----	Jonesboro.
DARDEN, WILLIAM EDWARD	Cl.	-----	Kinston.
DAVIES, WILLIAM WATKINS, Jr.	Ph.	-----	Drapersville, Va.
EASON, ROBERT RANSOM	Ph.	-----	Selma.
FLEMING, JOHN MARTIN, Jr.	Cl.	-----	Raleigh.
GRAHAM, GEORGE MORDECAI	Ph.	-----	Hillsboro.

GRAHAM, PAUL CAMERON	<i>ZU</i> Ph.	$\Delta_c$	Hillsboro.
GREEN, BENJAMIN THORP	Ph.	$\Delta_c$	Franklinton.
HENDREN, JOSEPH FLANNER	<i>DAE</i> Cl.	$\Delta_c$	Winston.
HOGAN, DAVID ROSSVILLE	Ph.	$\Delta_c$	Chapel Hill.
KOONCE, FRANCIS DUVAL, Jr.	Cl.	$\emptyset$	Richlands.
LEWIS, JOSEPH VOLNEY	<i>PA</i> Sc.	$\Delta_c$	Darlington.
MANGUM, CHARLES STAPLES	<i>ZU</i> Cl.	$\Delta_c$	Chapel Hill.
MOREHEAD, JOHN MOTLEY	<i>EAE</i> Sc.	$\Delta_c$	Leaksville.
PATTERSON, ANDREW HENRY	<i>EAE</i> Ph.	$\Delta_c$	Salem.
RANSOM, GEORGE	<i>EAE</i> Ph.	$\emptyset$	Weldon.
SPOON, WILLIAM LUTHER	Sc.	$\Delta_c$	Hartshorn.
THOMPSON, SEYMOUR COLUMBUS	Ph.	$\Delta_c$	Cedar Cliff.
WILLS, WILLIAM HENRY	Cl.	$\emptyset$	Greensboro.

## SECOND YEAR STUDENTS—(SOPHOMORES).

BEALL, FRANK HARPER	<i>ZN</i> Ph.	$\Delta_c$	Linwood.
BENNETT, CRAWFORD DUNLAP	<i>ZN</i> Ph.	$\Delta_c$	Norwood.
BUIE, WILLIAM DOUGLAS	Cl.	$\emptyset$	Clarkton.
BUSBEE, PERRIN	<i>ZU</i> Ph.	$\emptyset$	Raleigh.
CHEEK, JOHN MORGAN	Cl.	$\Delta_c$	Sparta.
CONNOR, GEORGE WHITFIELD	<i>EAE</i> Cl.	$\emptyset$	Wilson.
DAVIS, ROBERT MAYO	Cl.	$\emptyset$	Tarboro.
DAVIS, SAMUEL LEE	Ph.	$\Delta_c$	Sawyersville.
EDWARDS, ARTHUR JOSEPH	Sc.	$\Delta_c$	Elk Creek.
FEARRINGTON, FRED	Sc.	$\Delta_c$	Belle Voir.
FERGUSON, HERBERT REEVES	Ph.	$\Delta_c$	Waynesville.
FOUST, THOMAS ROSWELL	<i>PTA</i> Ph.	$\Delta_c$	Graham.
GATLING, BART MOORE	<i>ΔKE</i> Cl.	$\emptyset$	Raleigh.
GUYER, SAMUEL JACOB	Ph.	$\Delta_c$	Bethany.
HAMLIN, HUBERT CHESLEY	Ph.	$\Delta_c$	Winston.
HARVEY, CHARLES FELIX	<i>ΔKE</i> Ph.	$\emptyset$	Kinston.
HUGGINS, WILLIAM SLOAN	<i>ATR</i> Ph.	$\Delta_c$	Wilmington.
HUNTER, RICHARD BENJAMIN	Ph.	$\emptyset$	Brinkleyville.
JOHNSTON, RICHARD HALL	<i>ZU</i> Ph.	$\emptyset$	Tarboro.
KEECH, EDGAR JASPER	Ph.	$\emptyset$	Tarboro.
MCDUFFIE, ARCHIE MURPHY	<i>BOT</i> Sc.	$\emptyset$	Fayetteville.
MEBANE, FRANK CARTER	<i>ZU</i> Cl.	$\Delta_c$	Wentworth.
MURPHY, WALTER	<i>ZN</i> Sc.	$\Delta_c$	Salisbury.
PEARSALL, MATTHEW JAMES	Ph.	$\Delta_c$	Clinton.
RHEM, JOSEPH FRANKLIN	<i>BOT</i> Ph.	$\emptyset$	New Berne.
ROBBINS, FRANK LEE	<i>PTA</i> Cl.	$\Delta_c$	Statesville.
ROLLINS, WALLACE EUGENE	<i>BOT</i> Cl.	$\Delta_c$	Asheville.
SCALES, ALFRED MOORE	<i>BOT</i> Cl.	$\Delta_c$	Greensboro.

SHANNONHOUSE, FRANK MCREE	Cl.	-----	Δc	-----	Charlotte.
SHARPE, THOMAS PEARSON	Ph.	-----	Δc	-----	Tyro Shops.
SHERROD, JOHN MAYO	Ph.	-----	Δc	-----	Hamilton.
SIMMONS, BENJAMIN TAYLOR	Ph.	-----	Δc	-----	Fairfield.
SKINNER, JOHN LUDLOW	Cl.	ATI	Δc	-----	Raleigh.
URQUHART, LEWIS THOMPSON	Ph.	-----	Δc	-----	Lewiston.
URQUHART, RICH'D ALEXANDER	Cl.	-----	Δc	-----	Lewiston.
WALSER, JOSEPH GAITHER	Ph.	-----	Δc	-----	Yadkin College.
WILLCOX, FREDERICK LEROY	Cl.	-----	Δc	-----	Carbonton.
WILLCOX, JOSEPH MARTIN	Sc.	-----	Δc	-----	Carbonton.
WINBORNE, PETER PARKER	Cl.	ΔAZ	Δc	-----	Barnitz.
WORTH, JAMES SPENCER	Ph.	ATI	Δc	-----	Wilmington.

## FIRST YEAR STUDENTS—(FRESHMEN).

ALBRITTON, JAMES ASHBY	Cl.	-----	Δc	-----	Snow Hill.
ANDREWS, ALEXANDER BOYD, Jr.	Cl.	-----	Δc	-----	Raleigh.
ARGO, FORDYCE HUBBARD	Cl.	ΔAZ	Δc	-----	Raleigh.
ASHE, SAMUEL ACOURT, Jr.	Ph.	ΔAZ	Δc	-----	Raleigh.
AUSTIN, SAMUEL FRANCIS	Cl.	-----	Δc	-----	Clayton.
BARNARD, ALFRED SMITH	Ph.	BOπ	Δc	-----	Danville, Va.
BATTLE, EDMUND STRUDWICK	Cl.	ΔAZ	Δc	-----	Raleigh.
BENNETT, JOSEPH HAMMOND	Ph.	-----	Δc	-----	Wadesboro.
BIGGS, JAMES CRAWFORD	Cl.	ZV	Δc	-----	Oxford.
BLANKENSHIP, JAMES MOULTON	Ph.	-----	Δc	-----	Pinéville.
BOYDEN, VICTOR HUGO	Ph.	ZN	Δc	-----	Salisbury.
CARTER, HENRY WALTON	Ph.	-----	Δc	-----	Greensboro.
COOPER, THOMAS JEFFERSON	Ph.	-----	Δc	-----	Murphy.
COUCH, WILLIE CARLTON	Ph.	-----	Δc	-----	Durham.
CRATER, AMOS ALEXANDER	Nor.	-----	Δc	-----	Snow Creek.
CURRIE, WM. PINKNEY MARTIN	Cl.	-----	Δc	-----	Pharsala.
ELLER, FRANKLIN PLATO	Ph.	-----	Δc	-----	Berlin.
FULLER, CLAUDE STOKES	Sc.	-----	Δc	-----	Laurens, S. C.
GAITHER, JAMES FRIERSON	Sc.	ZN	Δc	-----	Salisbury.
GANTT, ABEL TRUMAN	Nor.	-----	Δc	-----	Belwood.
GILL, PETER HARTWELL	Ph.	-----	Δc	-----	Henderson.
GILMER, JOHN ARTHUR	Ph.	ΔAZ	Δc	-----	Greensboro.
HAIGH, DOUGLAS DEROSSET	Ph.	ATI	Δc	-----	Fayetteville.
HAMER, DOUGLAS	Ph.	ZN	Δc	-----	Laurinburg.
HARDING, FORDYCE CUNINGGIM	Ph.	-----	Δc	-----	Greenville.
HAWLEY, DAVID CLARENCE	Nor.	-----	Δc	-----	Polkton.
HOKE, MICHAEL	Ph.	ΔAZ	Δc	-----	Raleigh.
JONES, JAMES ARCHIBALD	Cl.	-----	Δc	-----	Clayton.
JONES, KENNETH ANDERSON	Cl.	-----	Δc	-----	Carbonton.
JONES, LAWRENCE O'B. BRANCH	Ph.	-----	Δc	-----	Durham.

JONES, WYLIE STREET	<i>2AE</i>	Ph.	$\Delta$	Goldsboro.
KAPP, JAMIE LYNN		Ph.	$\Delta$	Bethania.
KAPP, THOMAS EUGENE		Ph.	$\Delta$	Bethania.
KOONCE, ALEXANDER HAMILTON		Cl.	$\emptyset$	Richlands.
KORNEGAY, DAVID ROBERT	<i>2AE</i>	Ph.	$\emptyset$	Seven Springs.
LEHMAN, EUGENE WESLEY		Ph.	$\Delta$	Bethania.
LILLY, JOEL ALEXANDER		Sc.	$\Delta$	Norwood.
LONG, BENJAMIN FRANKLIN		Ph.	$\Delta$	Graham.
LONG, WILLIAM SAMUEL		Sc.	$\Delta$	Graham.
McMICHAEL, CHARLES OBED		Ph.	$\Delta$	Summerfield.
MANGUM, ADDISON GOODLOE	<i>2AE</i>	Ph.	$\Delta$	Flat River.
MOYE, ELBERT ALFRED, Jr.	<i>2N</i>	Ph.	$\emptyset$	Greenville.
NARRON, JOHN ARTHUR		Ph.	$\emptyset$	Hare's Store.
PARKER, HERSEY BAYLIES, Jr.		Ph.	$\emptyset$	Como.
PATTERSON, RUFUS LENOIR	<i>2AE</i>	Sc.	$\Delta$	Salem.
PESCHAU, GEORGE LEWIS	<i>ATJ</i>	Ph.	$\Delta$	Wilmington.
POE, THOMAS GLENN		Cl.	$\Delta$	Gulf.
PUGH, JAMES THOMAS		Cl.	$\emptyset$	Morrisville.
SELLARS, JOSEPH BASON	<i>2TD</i>	Ph.	$\Delta$	Haw River.
SMITH, DULCEDO		Sc.	$\emptyset$	Manson.
SNOW, WILLIAM BOYLAN	<i>2V</i>	Cl.	$\emptyset$	Raleigh.
STRONACH, JOHN BARTON	<i>2AE</i>	Ph.	$\emptyset$	Raleigh.
THORNTON, FRANK W., Jr.	<i>2BN</i>	Sc.	$\emptyset$	Fayetteville.
TOMS, CHARLES FRENCH	<i>2X</i>	Ph.	$\Delta$	Hendersonville.
WALSER, ZENOBIAN ILMER		Ph.	$\Delta$	Yadkin College.
WATLINGTON, JOHN FRANCIS		Ph.	$\Delta$	Reidsville.
WHITLOCK, VICTOR EMANUEL		Ph.	$\Delta$	Asheville.
WILLARD, EDWARD PAYSON	<i>2AE</i>	Ph.	$\Delta$	Wilmington.
WYCHE, BENJAMIN		Sc.	$\emptyset$	Williamsboro.

## OPTIONAL STUDENTS.

ALLEN, WILLIAM MARSHALL	<i>2AE</i>	2d year	$\Delta$	Wadesboro.
ALSTON, HOWARD	<i>2AE</i>	1st year	$\emptyset$	Littleton.
BURCH, CHARLES HILL		2d year	$\Delta$	Chapel Hill.
<i>2AE</i> EMPIE, THEODORE GWALTHMEY		1st year	$\Delta$	Wilmington.
KERNODLE, JAMES LOFTIN		2d year	$\Delta$	Altamahaw.
PEACOCK, MARION ASHBY		1st year		Goldsboro.
PEEBLES, CALVERT GOOSLEY		1st year		Jackson.
REDWINE, ROBERT BURWELL		1st year	$\Delta$	Wolfsville.
SMITH, JOHN WAITES		1st year	$\Delta$	Nawls.
THOMAS, JOHN STANLY	<i>2AE</i>	1st year	$\emptyset$	New Berne.
TOY, THOMAS DALHAM	<i>2V</i>	1st year	$\emptyset$	Norfolk, Va.
WORTH, GEORGE CLARKSON	<i>ATJ</i>	2d year	$\Delta$	Wilmington.
WYCHE, CHARLES IRA		1st year	$\emptyset$	Williamsboro.
WYCHE, RICHARD THOMAS		1st year	$\emptyset$	Williamsboro.

## STUDENTS IN LAW.

BATCHELOR, OLIVER DOUGLAS	$\Delta_c$	$\delta$	Nashville.
BODENHAMER, JAMES MADISON			Dobson.
BROWN, WILLIAM KING			Birmingham, Ala.
BURROUGHS, AUGUSTINE			Williamston.
COVINGTON, HENRY HARRIS			Goldsboro.
CRAWFORD, WILLIAM THOMAS		$\Delta_c$	Waynesville.
DAVIS, HAYNE	$\Sigma \nu$	$\Delta_c$	Statesville.
DOCKERY, CLAUDIUS	$\Sigma A E$	$\Delta_c$	Mangum.
FOUST, CHARLES GEORGE	$B \delta \pi$	$\Delta_c$	Columbia Factory.
HERRICK, HOWARD JAY			Elmira, N. Y.
HUMPHREYS, JOHN DANIEL			Basen.
LEIGH, JOHN BUSHROD			Fort Lauding.
LITTLE, LACY LEGRAND	$A T R$	$\Delta_c$	Little's Mills.
MANNING, PIERRE BEAUREGARD	$\Sigma A E$	$\emptyset$	Wilmington.
MCIVER, JOHN FENELON	$B \delta \pi$	$\Delta_c$	Jonesboro.
MCNEILL, ALBERT LANDER			Sanford.
MARTIN, EDWIN WRAY	$J T R$	$\Delta_c$	Little Rock, Ark.
MURPHY, HANSON FINLA	$\Sigma \lambda$	$\emptyset$	Pender County.
PARKER, JUNE	$\lambda A$	$\Delta_c$	Graham.
PATTERSON, GILBERT BROWN	$\Sigma A E$	$\Delta_c$	Maxton.
PEEBLES, CALVERT GOOSLEY			Jackson.
PHARR, HENRY NEAL	$\lambda A$		Charlotte.
REDWINE, ROBERT BURWELL		$\Delta_c$	Wolfsville.
RICKS, WILLIAM BENJAMIN	$\Sigma \lambda$	$\emptyset$	Nashville.
ROBERSON, WILLIAM STONE		$\emptyset$	Chapel Hill.
SCOTT, JAMES GRAHAM			Jacksonville.
SIMMONS, ALBERT MARCHANT	$\emptyset \delta \delta$	$\emptyset$	Fairfield.
SMITH, JOHN WAITES		$\Delta_c$	Nawls.
STEVENS, HENRY BLUNT		$\Delta_c$	Asheville.
TYSON, BENJAMIN FRANKLIN		$\delta$	Greenville.
WILLIAMS, ELLIS CULPEPPER	$\Sigma \lambda$		Mouroe.
WITHERS, EUGENE PERCIVAL	$B \delta \pi$	$\Delta_c$	Danville, Va.
WOODLEY, THEOPHILUS HENRY			Creswell.

## SUMMARY.

Post Graduate Students	14
Fourth Year Students	22
Third Year Students	30
Second Year Students	40
First Year Students	59
Optional Students	14
Law Students	33
Special Student	1
	<hr/>
Names counted twice	213
	<hr/>
Total	198

## ADDITIONS TO ROLL OF STUDENTS.

BROOKS, JOHN HENRY	Nor.	Iola.
MCPHERSON, JOHN ALEXANDER	Nor.	Fayetteville.
TOTAL		200

## PROGRAMME OF COMMENCEMENT.

JUNE, 1889.

SUNDAY, JUNE 2. BACCALAUREATE SERMON.

BISHOP W. W. DUNCAN, D. D.

JUNE 4. CLASS DAY.

*Class Oration*—BY CHAS. A. WEBB,      *Historian*—GEO. L. WILLS,  
*Class Poem*—BY HUNTER L. HARRIS,      *Prophet*—M. R. EURE.  
*President*—LOGAN D. HOWELL.

## REPRESENTATIVES.

*Philanthropic Society:*

FRANK H. BATCHELOR,  
H. A. GILLIAM, Jr.,  
FRED. A. GREEN.

*Dialectic Society:*

G. H. CROWELL,  
EDGAR LOVE,  
W. W. DAVIES, Jr.

JUNE 5. CENTENNIAL CELEBRATION.

## REUNION OF ALUMNI.

ADDRESSES BY REPRESENTATIVES OF CLASSES.

JUNE 6. SENIOR SPEAKERS.

C. G. CATES,	H. L. HARRIS,	C. W. TOMS,
D. J. CURRIE,	J. S. HILL,	C. A. WEBB,
W. M. CURTIS,	L. D. HOWELL,	G. S. WILLS,
J. E. B. DAVIS,	A. A. F. SEAWELL, Jr.,	W. A. WILSON,
M. R. EURE,	A. STRONACH,	H. G. WOOD.
W. M. HAMMOND,		

## SENIOR ESSAYISTS.

HERBERT CLEMENT,	T. L. MOORE,
L. LEG. LITTLE,	W. S. ROBERSON.

## HONORARY DEGREES CONFERRED.

## DOCTORS OF LAWS (LL.D).

HON. A. C. AVERY	North Carolina.
HON. PAUL C. CAMERON	North Carolina.
HON. DANIEL G. FOWLE	North Carolina.
PREST. DANIEL C. GILMAN	Maryland.
DR. E. BURKE HAYWOOD	North Carolina.
PROF. WM. J. MARTIN	North Carolina.
PROF. WM. B. ROYAL	North Carolina.
HON. WM. L. SAUNDERS	North Carolina.
HON. ALFRED M. SCALES	North Carolina.
HON. JAMES E. SHEPHERD	North Carolina.
HON. GEO. V. STRONG	North Carolina.
PROF. CRAWFORD H. TOY	Massachusetts.
PROF. CHAS. S. VENABLE	Virginia.

## DOCTORS OF PHILOSOPHY (Ph. D.)

PROF. W. G. BROWN	Virginia.
PROF. W. B. BURNEY	South Carolina.

## DOCTORS OF LETTERS (Litt. D.)

PRESIDENT JNO. F. CROWELL	North Carolina.
PRESIDENT CHAS. E. TAYLOR	North Carolina.
PROF. F. C. WOODWARD	South Carolina.

## DEGREES CONFERRED IN COURSE.

## BACHELORS OF ARTS (A. B.)

CLEMENT, HERBERT	Mocksville.
CURRIE, DANIEL JOHNSON	Stewarts.
EURE, MILLS ROBERTS	Norfolk, Va.
HOWELL, LOGAN DOUGLAS	Goldsboro.
LITTLE, LACY LEGRAND	Little's Mills.
ROBERSON, WILLIAM STONE	Chapel Hill.
WEBB, CHARLES AURELIUS	Warren Plains.
WILSON, WILLIAM ALBERT	Sutherland.

## BACHELORS OF PHILOSOPHY (PH. B.)

CATES, CALEB GILMER	Rock Springs.
CURTIS, WALTER MAKEPEACE	Franklinsville.
DAVIS, JAMES E. B	Pikeville.
HAMMOND, WALTER MONROE	Archdale.
HILL, JOHN SPRUNT	Faison.
MOORE, THOMAS LAKE	Greenville, S. C.
SEAWELL, AARON A. F., Jr.	Jonesboro.
STRONACH, ALEXANDER	Raleigh.
TOMS, CLINTON WHITE	Hertford.
WILLS, GEORGE STOCKTON	Greensboro.
WOOD, HENRY GILLIAM	Edenton.

## BACHELOR OF SCIENCE (B. S.)

HARRIS, HUNTER LEE	Raleigh.
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## MASTER OF ARTS (A. M.)

BATTLE, WILLIAM JAMES	Chapel Hill.
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## SPECIAL CERTIFICATES.

## LATIN.

J. W. GRAHAM,

A. A. F. SEAWELL.

## MATHEMATICS.

D. J. CURRIE,

G. P. HOWELL.

## ENGLISH.

G S. WILLS.

## FRENCH.

A. STRONACH,

C. W. TOMS,

G. S. WILLS.

## NATURAL PHILOSOPHY.

D. J. CURRIE.

## NORMAL COURSE.

J. E. B. DAVIS,

J. E. JIMERSON.

## HONORS.

## VALEDICTORY ORATION.

CURRIE, DANIEL JOHNSON ----- Stewart's.

## CLASSICAL ORATION.

WEBB, CHARLES AURELIUS ----- Warren Plains.

## PHILOSOPHICAL ORATION.

HILL, JOHN SPRUNT ----- Faison.

## SCIENTIFIC ORATION.

HARRIS, HUNTER LEE ----- Raleigh.

## GREEK PRIZES.

BRYAN, SHEPARD ----- New Berne.

DALRYMPLE, PALMER ----- Jonesboro.

## MATHEMATICAL PRIZE.

HOWELL, GEORGE PIERCE ----- Goldsboro.

## REPRESENTATIVE MEDAL.

CROWELL, GEORGE HENRY ----- Bilesville.

## MANGUM MEDAL.

WEBB, CHARLES AURELIUS ----- Warren Plains.

## GENERAL INFORMATION.

### HISTORY.

The University of North Carolina was established in obedience to a clause of Section XLI of the Constitution of the State, adopted on the 18th of December, 1776, viz.: "All useful learning shall be duly encouraged and promoted in one or more Universities."

The charter was granted in 1789. The Trustees were among the most distinguished citizens of that day. Samuel Johnston, one of the first Senators of the United States from North Carolina, was chairman. Governor Benjamin Smith was the first benefactor, giving twenty thousand acres of land in Tennessee. The most active worker for the new institution was William Richardson Davie, called the "Father of the University," afterwards Governor and Commissioner to France.

On October 12th, 1793, annually commemorated as "University Day," the corner-stone of the Old East Building was laid. The buildings are now nine in number, with ample dormitories, recitation-rooms, laboratories and public halls, situate in a campus of fifty acres, covered with forest trees, and adjoining over five hundred acres of University woodland.

### LOCATION.

Chapel Hill, the seat of the University, is a village of about eight hundred inhabitants, twenty-eight miles north-west of Raleigh.

It is reached by a branch of the North Carolina Rail-

road, from University Junction, a station between Durham and Hillsboro.

Among many sites pressed upon the Trustees, Chapel Hill was chosen because of its central position in the State, its uncommon healthiness, its elevation (over five hundred feet above the sea-level), its fine supply of clear pure water and its charming scenery.

The life of the village is plain, quiet, temperate and refined, offering few temptations to vice or allurements from study.

#### THE SESSION.

The annual session begins regularly on the first Thursday in September and ends on the first Thursday in June.

The session is divided into two terms by a short intermission at Christmas.

#### REQUISITES FOR ADMISSION.

As a rule, each matriculate must be sixteen years old; but exceptions may be allowed at the discretion of the Faculty. The following are the subjects for the entrance examination :

LATIN.—Cæsar's Gallic War (5 books), Virgil's Æneid (5 books), Cicero's Orations (4), Latin Grammar and Composition (Bingham's Grammar or Gildersleeve's Primer, or the first half of Gildersleeve's Exercise Book with the Grammar). Equivalent amounts from other authors will be accepted. A thorough acquaintance with the forms of declension and conjugation and the general principles of construction is absolutely essential. Slight deficiencies in the amount of reading may be supplied after entering.

GREEK.—Xenophon's Anabasis (3 books), simple exercises in translating English into Greek, Greek Grammar (Hadley-Allen or Goodwin), a good knowledge of which is required. Applicants who have not read the entire three books of the Anabasis, may, if the rest of

their preparation is satisfactory, make good their deficiency by private study during the first term.

[Applicants for Classical course will be required to exhibit a general acquaintance with Ancient History, Geography and Mythology.]

**MATHEMATICS.**—*Arithmetic*—The candidate should be able: 1. To perform all fundamental operations and explain them. 2. To explain the subjects of prime numbers, factors, greatest common divisors and least common multiples, and to give the rules and apply them. 3. To perform all operations upon fractions, including decimal fractions and mixed numbers, as well as denominate numbers. Special attention must be given to the reason for the rules. 4. To write out examples with facility in percentage, interest and discount, simple and compound proportion and square root, with an analysis and reason for the methods employed.

Robinson's Practical Arithmetic and Sanford's Higher Arithmetic, or equivalent works, are recommended in preparing students to pass the examination on the foregoing subjects.

*Algebra.*—In Algebra the candidate should be thoroughly prepared in ordinary operations on algebraic numbers (plus and minus quantities), fractions, equations of the first degree involving one or more unknown quantities, ratio and proportion, involution and evolution, and surds down to equations of the second degree.

Taylor's, Newcomb's and Wentworth's Algebras are recommended particularly, because they begin with the conception of plus and minus quantities. Although the requirements are as above, it is better for the student to have thoroughly accomplished the *whole* of a good elementary algebra before entering.

**ENGLISH.**—English Grammar (Whitney, Bain), Introduction to Rhetoric and Composition (Clark, D. J. Hill, Reed and Kellogg), Outlines of English and American History and Literature (Freeman, Brooke, Gilman). Special attention, it is hoped, will be given to preparation for this department, so that it shall include studies in well-annotated standard authors. Sprague's Irving, Swinton's Studies in Literature (authors of the 19th century), Garnett's Studies in Longfellow, Shakspeare's Julius Cæsar (Rolfe's or Hudson's Edition) are recommended.

Applicants wishing to pursue the Classical course are examined in the above studies. Those desiring to take the Philosophical course are examined in Latin or Greek, according to selection made, Mathematics and English.

For the Scientific course the applicants are examined in Mathematics and English.

Optional students are examined in such of the above as relate to the studies they select.

For admission into advanced classes, applicants will be examined in the studies completed by the classes which they wish to join.

#### ANNUAL EXPENSES.

The University endeavors to reduce to a *minimum* the necessary expenses of education. The only charges are :

Tuition -----	\$60 00
Annual Fee -----	10 00
Medical Fee -----	5 00
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Total per annum -----	\$75 00

The cost of board, clothing, travelling, books, &c., will depend largely upon each individual. Unfurnished rooms and service are provided by the University. Board may be had at prices ranging from \$8.00 to \$13.00 per month. Furnished rooms, with board, may be had in private families, for a limited number of students, at \$10.00 per month ; washing, \$1.00 per month ; wood, \$2.00 per cord ; books and stationery at New York prices. The entire annual expense need not exceed \$300, and it may be reduced below \$200.

The University fees are required to be paid semi-annually in advance. In special cases time is allowed and students unable to pay may give notes. By a recent act of the Legislature free tuition is offered to candidates for the ministry, sons of ministers, and in the Teacher's course, to young men preparing to teach ; but the annual and medical fees

must be paid by every student before he is allowed to register.

The Faculty earnestly recommend parents to deposit necessary funds for the expenses of their sons with W. T. Patterson, Esq., Bursar of the University, a bonded officer, who will safely keep and disburse the same without charge.

#### MEDICAL ATTENTION.

Free medical attention will be given by the physician in charge of the MEDICAL DEPARTMENT, to every student of the University, all being required to pay a small medical fee at the beginning of each session. Experience shows that this arrangement is the best and cheapest for the student body. By this means each student is relieved of the possible expense of large medical bills in cases of prolonged illness, and parents need not fear lest their sons may not obtain competent medical advice and attention in the beginning of sickness.

#### DISCIPLINE.

The University aims to secure a discipline based upon manliness and self-respect, and to use discipline as an instrument for developing character.

There is no system of demerits or espionage. The University is not a school for boys. It requires of its students, (1) to use their time properly, (2) to keep out of vice. To this end, every student is expected to attend at least fifteen class exercises weekly, to perform his work faithfully, and to observe order and quiet in and near the buildings during study hours; and students are not allowed to carry or use pistols and other dangerous weapons, or to drink or give to others any intoxicating liquor, or to indulge in hazing or teasing new students, or to absent themselves from their

classes except on necessity, or to leave Chapel Hill unless permitted by the President or Chairman of the Faculty, which permission cannot be granted unless there is likewise permission from parent or guardian.

The laws of the State prohibit the sale of liquor within four miles of Chapel Hill. Every temptation to vice is put away as far as possible.

Students who are wilfully vicious, idle or disorderly are not desired at the University and will not be allowed to remain.

#### CLASS EXERCISES.

Each student is required to attend at least fifteen class exercises per week. Experience having shown that many students, by attempting too much work, have materially damaged both their health and scholarship, the Faculty will not allow any one to attend more than eighteen class exercises a week, unless for special reasons and by special permission.

#### EXAMINATIONS.

In addition to the daily oral examinations on the lesson assigned, or previous lecture, three general written examinations of each class are held during the session; one at the close of the Fall Term, another near the middle of the Spring Term, and the third near the end of the session. Each examination is final upon the subjects of instruction pursued since the previous examination. These examinations are conducted in writing, and are sufficiently comprehensive and searching to test the student's acquaintance with the subject. In estimating the scholarship for the term, the final examinations count one-third.

## REPORTS.

Monthly reports are made to parents or guardians concerning the punctuality and diligence of the students, and detailed reports of scholarship are made at the close of each term.

## LITERARY EXERCISES.

In connection with the University are the Dialectic and Philanthropic Literary Societies, to one of which each student is required to attach himself, unless excused for special reasons. The halls of these societies are commodious and elegantly furnished. Each society owns many valuable portraits of distinguished Alumni. Medals are offered by each society for excellence in declamation, essays and debate.

The exercises of these societies deserve to be ranked high among the advantages offered by the University. They afford practice in debating and writing, and familiarize the students with the rules of order governing deliberative assemblies.

## LIBRARIES.

The Philanthropic and Dialectic and University Libraries have been consolidated and carefully arranged in Smith Hall. The consolidated library is open five hours daily, except Sundays, for the use of students. It contains more than twenty-five thousand volumes and five thousand pamphlets, illustrating every department of literature and science. Additions are made each year; and the books are used as instruments, not only for the general culture and entertainment of the students, but also for their special training and in the development of their capacity for origi-

nal investigation and higher culture, under the guidance of the professors in the several departments.

#### READING ROOM.

The Reading Room, supported by the two Literary Societies and the Faculty, is an important part of the general equipment of the University. Containing sixty-five of the leading American and Foreign magazines, reviews and journals (technical, literary, religious and political), it offers both cultivation and recreation.

It is comfortable and well-lighted, and is open daily from 8 A. M. to 6 P. M.

There is also in the room a Reference Library containing dictionaries, encyclopedias. &c.; and the library under the same roof is within easy reach of those who wish to make further investigation.

#### PUBLIC LECTURES.

In addition to the lectures presented before the Mitchell Scientific Society, the Shakspeare Club and the Historical Society, the University sustains a course of Public Lectures.

The following have been delivered this session:

Life and Work of Prof. Ralph Henry Graves—Prof. GEO. T. WINSTON.  
Necessity of Public Education—Prof. CHAS. D. MCIVER.  
Journey in the Holy Land—Dr. RONDTHALER.

#### THE ELISHA MITCHELL SCIENTIFIC SOCIETY.

This Society for the promotion of scientific study was established in October, 1883. Its regular meetings are held on the second Tuesday of each month during the

session. At these meetings papers are read giving the results of original research. The progress made in the various branches of science is also reported upon.

The aim is to stimulate individual workers, and to enable the members to keep up with the growth of science.

The Society is a State Society and includes among its members all scientific workers in the State. The students, as associate members, are allowed all the advantages of the Society.

A semi-annual journal is published, containing accounts of the meetings and all original papers. Between seven and eight hundred pages have thus been published. This journal is exchanged for the publications of more than two hundred and fifty other learned bodies and scientific societies, and through this means the library of the Society is rapidly growing and will soon be very valuable.

Occasional lectures on popular scientific subjects are delivered by resident members of the Society and lecturers invited from a distance.

#### SHAKSPERE CLUB.

This Society was organized in November, 1886, for the critical study of Shakspeare and other dramatists. One of the professors presides and prepares the scheme of work. The meetings are held once a month, the third Tuesday night. Occasional public meetings are held. The interest is maintained by carefully prepared papers, addresses and free discussion. Four special lectures have been delivered before the Club. The nucleus of a Shakspeare Library has been formed and additions are made to it from time to time. Two lectures and reports of the proceedings have been published, and an annual scheme of readings is printed. The scheme for 1890-'91 is here given.

1. CYMBELINE. The Story in Boccaccio and Holinshed. Dramatic Treatment of Legendary Periods. Shakspeare's Romantic Dramas a Peculiar Class. Blending of Tragic and Comic Elements. Imogen, Posthumus and Othello. Iachimo and Iago. Heredity. The Ministry of Nature to the Soul. Does a Study of this Play Support the Baconian Authorship?

SHAKSPERE PORTRAITS EXAMINED.

2. TIMON OF ATHENS. The Materials in Plutarch and Lucian. The Non-Shaksperian part of the Play. Timon, Alcibiades, Apemantus compared. Ben Jonson's Method of Treating such a Type. Molière's Misanthrope.

SHAKSPERE ON FATE.

3. SHAKSPERE AND HIS CONTEMPORARIES. Dramatic Collaboratorship. Shakspeare's Relation to the Court and to Non-Dramatic Authors. The Baconian Authorship of the Plays. The Cipher. Miss Delia Bacon, Judge Holmes, Mr. Donnelly.

HISTORY OF STRATFORD.

4. CHARACTERISTICS OF OLD, MIDDLE AND NEW COMEDY AMONG THE GREEKS. Aristophanes. Critical Papers on the Acharnians and on Plutus. The Lyric Passages in Comedy. Menander and his Influence on later Comedy.

5. MUCH ADO ABOUT NOTHING. The Claudio and Hero Story in Ariosto and Spenser. Situations and Dialogue compared with Love's Labor's Lost, Romeo and Juliet and other plays. Benedick and Beatrice. Miss Davenport's Conception of Beatrice. The Stage Villain. Don John. Dogberry. Kempe's Representation of this Character. Studies in Diction and Peculiar Fashions of Speech. Reasons for the Sustained Popularity of this Play.

6. KING JOHN. The Old *Raigne of King John*. Bishop Bale's King Johan. Shakspeare's Picture of the King and His Reign. Scott's View. Falconbridge and National Spirit. The Religious Movements of the Age. Constance. Is Arthur's Character Historical? Why is Magna Charta Omitted? Mingling of Different Styles in this Play.

THE TRUE SPHERE AND AIM OF THE DRAMA IN CONNECTION WITH  
THE PREFACE TO VICTOR HUGO'S RUY BLAS.

7. Comparative Studies in Shakspeare and the Later English Comedy (Congreve, Sheridan, Goldsmith) and French Comedy. Readings from French Comedy.

## THE NORTH CAROLINA HISTORICAL SOCIETY.

This Society is engaged in the study of our State history and the collection of documents and materials for its illustration. Meetings, as a rule, are held monthly. At these meetings historical papers are read, and discussion had.

Among other papers presented during the present session were:

Publications in North Carolina in the 18th Century, with notices of their authors; by S. B. WEEKS, Ph. D.

The Objections to the Constitution, by North Carolina, of 1789 Explained; by Pres't BATTLE.

Gabriel Johnston's Administration; by W. H. BAILEY, LL.D.

Sketches of Gov. Drummond, Ralph Lane and John White: by S. B. WEEKS, Ph. D.

Sketches of the Confederate Dead of the University of North Carolina; by S. B. WEEKS, Ph. D.

## THE UNIVERSITY MAGAZINE

Is published six times during the year, under the auspices of the Philanthropic and Dialectic Societies. Its objects are: To encourage the students to independent literary work; to furnish a review of University matters; to chronicle the proceedings of the literary, scientific and historical organizations, including the publication of important papers presented at their meetings; to record items of news about the University Alumni and students. Each number contains matter of importance to all who are interested in the University, besides much that is attractive to the general reader.

## RELIGIOUS SERVICES.

The students are expected to attend the Sunday Bible classes, the daily morning prayers in the University chapel, and the Sunday services in the several churches in the village.

## YOUNG MEN'S CHRISTIAN ASSOCIATION.

This organization has become a power in influencing the lives of students. Its membership consists of two classes, active and associate. Its aim is to improve young men spiritually, physically, mentally, and this is done through various and recognized lines. Religious work is carried on by its members in the devotional meetings held four times per week, and in personal conversation with fellow-students. Besides this, several workers' training classes are carrying on a systematic study of the Bible with special reference to using it in winning souls.

Physical work will be carried on through a trained Gymnasium Instructor, employed by the Association.

Mental improvement is sought through means of occasional lectures from distinguished men on various subjects not treated in a college course.

The Association has set apart for its use a hall for meetings, and in connection with it a pleasant social parlor. A building fund has been started among the students, and is rapidly growing in amount. All students who are eligible to membership would do well to identify themselves with this work soon after entering the University.

## MUSEUMS.

Every scientific department of the University is equipped with a museum of specimens for laboratory work; and besides these working museums there is a large and valuable collection of specimens in botany, geology, mineralogy, zoology and entomology, carefully arranged for exhibition in the UNIVERSITY MUSEUM.

## MEDALS AND PRIZES.

MEDAL FOR ORATORY.—The Misses Mangum, of Orange, offer *in memoriam* of their father, Willie P. Mangum, a gold medal as a prize for the best oration at the annual Commencement.

THE MATHEMATICAL PRIZE.—A prize is offered in honor of Dr. James Phillips and Dr. Charles Phillips, by the sons of the latter. It will be awarded to the member of the third class in Mathematics who attains the highest proficiency above a certain absolute standard.

THE MORAL SCIENCE MEDAL.—Mr. David G. Worth, of Wilmington, offers a medal for the best scholarship in Moral Science.

THE GREEK PRIZE.—Offered to the member of the Sophomore Greek Class who presents the best rendering into English of selected passages of Greek not previously read.

KERR PRIZE IN GEOLOGY.—Offered in memory of Professor W. C. Kerr to any post-graduate or under-graduate student for special work in the mineralogy or geology of North Carolina.

## THE B. F. MOORE SCHOLARSHIPS.

The late B. F. Moore, of Raleigh, bequeathed \$5,000, the interest of which is to be devoted to paying the tuition of students.

## THE DEEMS FUND.

This Fund was instituted by the Rev. Dr. C. F. Deems, pastor of the Church of the Strangers, New York, as a memorial of his son, Lieutenant Theodore Disosway Deems, who was born at Chapel Hill while his father was in the

Faculty of the University. It is intended to assist needy students by loans. In 1881 it was greatly enlarged through the munificence of Mr. Wm. H. Vanderbilt. On the 1st of February, 1890, there were notes, the principal of which amounted to \$13,802.67, representing current loans to students. To that date 139 students had been helped by the fund. As payments are made, new loans will be made to applicants who meet the requirements. They must come with good recommendations for character; or, if members of the University, must have demonstrated to the Faculty that they are worthy of assistance. The loans are made at six per cent. interest, on satisfactory security, and for a sufficient length of time to make the payments easy.

#### THE FRANCIS JONES SMITH FUND.

Miss Mary Ruffin Smith, of Orange, has left a valuable tract of fourteen hundred and thirty acres of land in Chatham county, known as the Jones Grove Tract, the income of which, or of the proceeds if sold, shall be used for the education of such students as the Faculty may designate.

The above name is given to the fund at the request of the testatrix.

## UNDER-GRADUATE COURSES OF STUDY.

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The Faculty recommends one of the following courses of study:

[The figures in parentheses denote the number of recitations or lectures per week.]

### CLASSICAL COURSE.

This leads to the degree of Bachelor of Arts, (A. B.).

#### FIRST YEAR.

FIRST TERM.—Algebra (4), Latin (4), Greek (4), English (2), History (1.)

SECOND TERM.—Geometry (4), Latin (4), Greek (4), English (2), History (1).

#### SECOND YEAR.

FIRST TERM.—Trigonometry (3), Latin (3), Greek (3), Chemistry (3), English (1), German or French (3).

SECOND TERM.—Analytical Geometry (3), Latin (3), Greek (3), Chemistry (3), English (1), German or French (3).

#### THIRD YEAR.

FIRST TERM.—Physics (3½), Logic (2), English (1), Latin (2), Greek (2), \*Physiology (3), Elective (2).

SECOND TERM.—Physics (3½), Logic and Psychology (2), English (1), Latin (2), Greek (2), \*Geology (3), Elective (2).

#### FOURTH YEAR.

FIRST TERM.—Political Economy (3), English Literature (3), Essays and Orations (1), Psychology and Moral Philosophy (2), Elective (6).

SECOND TERM.—Constitutional and International Law (3), English Literature (3), Essays and Orations (1), Moral Philosophy (2), Elective (6).

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\*Physiology and Geology may be taken during the fourth year if preferred.

ELECTIVE STUDIES.—French (3), German (3), Latin (3), Greek (3), First Anglo-Saxon (2), Second Anglo-Saxon (2), Industrial Chemistry (3), Qualitative Chemical Analysis (3), Quantitative Chemical Analysis (3), Zoology and Botany (1½), Advanced Botany (3), Surveying and Projection Drawing (3), Calculus and Analytical Mechanics (4), Biological Laboratory (2), Astronomy (1½), Mineralogy (1½), Mental and Moral Philosophy (2), Mechanics of Engineering (3).

## PHILOSOPHICAL COURSE.

This leads to the degree of Bachelor of Philosophy, (Ph. B.).

### FIRST YEAR.

FIRST TERM.—Algebra (4), Latin or Greek (4), German or French (3), English (2), History (1).

SECOND TERM.—Geometry (4), Latin or Greek (4), German or French (3), English (2), History (1).

The modern language chosen must be continued in the second year.

### SECOND YEAR.

FIRST TERM.—Trigonometry (3), Latin or Greek (3), German or French (3), Chemistry (3), English (1), Physiology (3).

SECOND TERM.—Analytical Geometry (3), Latin or Greek (3), German or French (3), Chemistry (3), English (1), Geology (3).

### THIRD YEAR.

FIRST TERM.—Physics (3½), Latin (2), or 3d French (2) or 3d German (2), Logic (2), English (1), Elective (7).

SECOND TERM.—Physics (3½), Latin (2), or 3d French (2), or 3d German (2), Logic and Psychology (2), English (1), Elective (7).

### FOURTH YEAR.

FIRST TERM.—Political Economy (3), English Literature (3), Essays and Orations (1), Psychology (2), Mineralogy (3), Elective (3).

SECOND TERM.—Constitutional and International Law (3), English Literature (3), Essays and Orations (1), Moral Philosophy (2), Astronomy (3), Elective (3).

ELECTIVE STUDIES.—3d French (1), 3d German (2), Latin (3), Greek (3), First Anglo-Saxon (2), Second Anglo-Saxon (2), History of Philosophy (2), Qualitative Chemical Analysis (3), Quantitative Chemical Anal-

ysis (3), Zoology and Botany ( $1\frac{1}{2}$ ), Biological Laboratory (2), Industrial Chemistry (3), Surveying and Projection Drawing (3), Calculus and Analytical Mechanics (4), Advanced Botany (2), Advanced Geology (3), Electrical Engineering (2), Mechanics of Engineering (3).

## SCIENTIFIC COURSE.

This leads to the degree of Bachelor of Science, (B. S.).

### FIRST YEAR

FIRST TERM.—Algebra (4), German or French (3), English (2), History (1), Biological Laboratory (2), Physiology (3).

SECOND TERM.—Geometry (4), German or French (3), English (2) History (1), Biological Laboratory (2), Zoology and Botany (3).

The modern language chosen must be continued in the second year.

### SECOND YEAR.

FIRST TERM.—Trigonometry (3), German or French (3), English (1), Chemistry (3), Qualitative Chemical Analysis (3), Elementary Physics (2).

SECOND TERM.—Analytical Geometry (3), German or French (3), English (1), Chemistry (3), Qualitative Chemical Analysis (3), Elementary Physics (2).

### THIRD YEAR.

FIRST TERM.—Physics ( $3\frac{1}{2}$ ), Mineralogy (3), English (1), Industrial Chemistry (3), Elective (6).

SECOND TERM.—Physics ( $3\frac{1}{2}$ ), Geology (3), English (1), Industrial Chemistry (3), Elective (6).

### FOURTH YEAR.

FIRST TERM.—English (3), Logic (2), Elective (10).

SECOND TERM.—English (3), Psychology (2), Astronomy (3), Elective (7).

ELECTIVE STUDIES.—Advanced Botany (3), Quantitative Chemical Analysis (3), Surveying and Projection Drawing (3), Calculus and Analytical Mechanics (4), Psychology and Moral Philosophy (2), Political Economy, Constitutional and International Law (3), 3d French (2), 3d German (2), Advanced Geology (3), Essays and Orations (1), Entomology (2), Electrical Engineering (2), Mechanics of Engineering (3).

## LITERARY COURSE.

This leads to the degree of Bachelor of Letters, (B. L.).

FIRST YEAR.—Algebra and Geometry (4), English (2), History (1), Elective (8), (including at least two of the following: Latin, Greek, French, German).

SECOND YEAR.—English (1), Elective (14), (including at least two of the following: Latin, Greek, French, German).

THIRD YEAR.—English (1), Elective (14), (including at least one of the following: Latin, Greek, French, German, Anglo-Saxon).

FOURTH YEAR.—English (3), Essays and Orations (1), Elective (11).

Under Electives are included any subjects taught at the University as given in previous courses.

## ENGINEERING COURSE.

This leads to the degree of Bachelor of Engineering, (B. E.).

Candidates must have accomplished the first and second years of either the Scientific, Philosophical or Classical Courses.

## JUNIOR YEAR.

FIRST TERM.—Calculus (4), Physics ( $3\frac{1}{2}$ ), Mineralogy (3), English (1), Descriptive Geometry (3), Drawing ( $1\frac{1}{2}$ ).

SECOND TERM.—Calculus and Analytic Mechanics (4), Physics ( $3\frac{1}{2}$ ), Geology (3), English (1), Surveying (3), Drawing ( $1\frac{1}{2}$ ).

## SENIOR YEAR.

FIRST TERM.—Analytic Mechanics and Strength and Stability of Structures (3), English (3), Drawing (2), Electives (8).

SECOND TERM.—Strength and Stability of Structures (3), Drawing (2), English (3), Astronomy (3), Electives (5).

ELECTIVE STUDIES.—Advanced Geology (3), Industrial Chemistry (3), Qualitative Chemical Analysis (3), Quantitative Chemical Analysis (3), Electrical Engineering (2), Higher Surveying (2).

*For Course in Law, SEE SCHOOL OF LAW.*

*For Course in Medicine, SEE SCHOOL OF MEDICINE.*

## TEACHERS' COURSE.

Special courses, adapted to teachers, are offered in each department of study, beginning each year about February 15th, and continuing three months. No entrance or other examination will be required, except that students electing Latin are required to exhibit a thorough knowledge of declensions and conjugations, and to have read at least three books of Cæsar's Gallic War. There are no charge for tuition. The only fee is one of \$2.50, which includes matriculation, room-rent, servant's hire, &c. The Faculty earnestly recommends that the teachers come at the opening and remain for the full three months.

## OPTIONAL COURSES.

The Faculty earnestly advises students to pursue one of the regular courses. But in proper cases they are allowed to choose such studies out of the courses as may be deemed most advantageous, provided they have fifteen class exercises a week, whether lectures, recitations or laboratory practice.

Special groups of studies, extending over one and two years, are recommended by the Faculty to those who are unable to complete one of the full four-year courses, yet desire an education and a training in those studies that will be of great advantage to them in their several professions or stations in life.

An optional course once chosen must be adhered to for the session, unless for special reasons the Faculty allows a change. No student is permitted to take a course not deemed by the Faculty worthy of his time and efforts.

## ADVANCED OR POST-GRADUATE INSTRUCTION.

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Advanced instruction is now offered in the several departments of the University.

Students who wish to pursue an advanced course of study are received with or without reference to their being candidates for a degree. In all cases the professors must be satisfied that the student is prepared to follow the instruction in the course contemplated.

Candidates for a degree are required to make written application to the Faculty, stating the course they design to pursue. They must also present their diplomas or certificates from the institution with which they have been connected, testifying that they have completed a course corresponding to one of the under-graduate courses of the University.

The method of instruction will vary with the nature of the study, but the general aim will be to encourage students to undertake independent work in some special branch of study, while he is adding to his intellectual culture.

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### POST-GRADUATE COURSES.

[Applicants for a Master's degree must have completed the course leading to the corresponding Bachelor's degree.]

#### CLASSICAL COURSE.

For the degree of Master of Arts, (A. M.).

Three studies, pursued for one year, to be selected from the following groups, subject to the condition that two studies may be selected from group 1, but not more than

one from any other group; and that one of the subjects in group 1 shall have been pursued as an Elective in the Under-Graduate Course:

1. Latin, Greek.
2. German, French, English.
3. Political Science, Mental and Moral Science, History.
4. Chemistry, Geology, Natural History.
5. Mathematics, Natural Philosophy.

#### PHILOSOPHICAL COURSE.

For the degree of Master of Philosophy, (Ph. M.).

Three studies pursued for one year, to be selected from the following groups, subject to the same condition as in CLASSICAL COURSE:

1. Latin, Greek, German, French, English.
2. Political Science, Mental and Moral Science, History.
3. Chemistry, Geology, Natural History.
4. Mathematics, Natural Philosophy.

#### SCIENTIFIC COURSE.

For the degree of Master of Science, (M. S.).

Three studies, pursued for one year, to be selected from the following groups, subject to the same condition as in CLASSICAL COURSE:

1. Chemistry, Geology, Natural History, Mathematics, Natural Philosophy.
2. Latin, Greek, German, French, English.
3. Political Science, Mental and Moral Science, History.

COURSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY,  
(PH. D.).

This course requires two years.

For the *first year* the candidate may select any one of the courses offered for a Master's degree (A. M., Ph. M., M. S.)

The *second year* will be devoted to a more extensive study of two of the subjects pursued in the first year.

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SPECIAL CERTIFICATES.

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A special certificate of graduation in a department (Latin, or Mathematics, or Chemistry, &c.) is awarded, upon application, to any student who attains the required grade.

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DEGREES.

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BACHELORS' DEGREES.

The degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, Bachelor of Letters and Bachelor of Engineering are conferred upon those students who have passed approved examinations on the respective undergraduate courses, already given, leading to those degrees.

The degree of Bachelor of Law is conferred upon those students who have passed approved examinations on Courses (A) and (B), enumerated in the School of Law.

## MASTERS' DEGREES.

The degrees of Master of Arts, Master of Philosophy and Master of Science are conferred upon those students who have been accepted as qualified candidates, and have pursued, with residence, the respective post-graduate courses, already given, leading to those degrees, passing satisfactory examinations thereon and submitting a suitable thesis.

## DOCTOR OF PHILOSOPHY.

The degree of Doctor of Philosophy is conferred upon those students who have been accepted as qualified candidates, and have pursued, with residence, the post-graduate course prescribed for this degree, passing satisfactory examinations thereon, and submitting a suitable thesis.

## LITERARY DEPARTMENT.

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HON. KEMP P. BATTLE, LL.D.,  
*Professor of Political Economy, Constitutional and International Law.*

REV. ADOLPHUS W. MANGUM, A. M., D. D.,  
*Professor of Mental and Moral Science.*

GEORGE TAYLOR WINSTON, A. M.,  
*Professor of the Latin Language and Literature.*

EBEN ALEXANDER, PH. D.,  
*Professor of the Greek Language and Literature.*

REV. THOMAS HUME, JR., A. M., D. D.,  
*Professor of the English Language and Literature.*

WALTER D. TOY, M. A.,  
*Professor of Modern Languages.*

WILLIAM JAMES BATTLE, A. M.,  
*Instructor in Latin.*

ST. CLAIR HESTER, A. B.,  
*Instructor in English.*

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## OUTLINE OF INSTRUCTION.

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### POLITICAL ECONOMY, CONSTITUTIONAL AND INTERNATIONAL LAW.

*President Battle.*

#### UNDER-GRADUATE CLASSES.

##### I. POLITICAL ECONOMY.

Instruction is given by text-books and lectures for three hours a week for the first term. The lectures are designed to throw light on the great economical questions of the day, such as Banking, Bi-metal-  
 lism, Protection, Wages, Co-operation, &c.

## 2. CONSTITUTIONAL LAW.

Three hours a week for the greater part of the second term of the senior year are given to this study. It is preceded by a short course in the History of American Politics. The lectures give information concerning the History of the Constitution of North Carolina as well as of the United States. The facts and principles of many leading cases, settling the construction of the Constitution of the United States are given, and their connection with American history is pointed out.

## 3. INTERNATIONAL LAW.

A short course of lectures is given in this department near the close of the second term.

## POST-GRADUATE CLASSES.

### POLITICAL ECONOMY.

In this class will be studied the works of such authorities as Roscher, Mill, Bagehot, McLeod, &c., and discussions will be required of the great unsettled questions of the Science, such as Banking, Bi-metallism, Protection, &c.

### CONSTITUTIONAL LAW.

The subjects studied in this class will be the origin and development of the English Constitution, of the Constitution of the United States and of this State. The political histories of these countries will be carefully read. Considerable attention will be paid to the Roman Law. Such works as those of Hallam, Stubbs, Yonge, Green, Bancroft, Curtis, Von Holst, Hildreth, &c., will be used, and also the opinions of Chief Justice Marshall and other Judges of the Supreme Court in leading cases.

It will be the effort of the instructor so to guide the student that he may have material with which he may intelligently form his own conclusions on the great subjects of Constitutional Law and Political Economy, which as an American citizen it will be his duty to consider.

## MORAL PHILOSOPHY.

*Professor Mangum.*

The work by under-graduates extends through the third and fourth years of the regular courses.

## UNDER-GRADUATE CLASSES.

## LOGIC.

*Third year, first term, 2 hours a week.*

## PSYCHOLOGY.

*Third year, second term, 2 hours a week.*

## MORAL SCIENCE.

*Fourth year, first term, 2 hours a week.*

## MORAL SCIENCE AND CHRISTIAN EVIDENCES.

*Fourth year, second term, 2 hours a week.*

## ADVANCED STUDY IN LOGIC AND PSYCHOLOGY.

*(Elective). 2 hours a week through the year.*

## HISTORY OF PHILOSOPHY AND NATURAL THEOLOGY.

*(Elective). 2 hours a week through the year.*

Suitable courses for post-graduates.

Method of instruction combines text-book and lectures.

## THE LATIN LANGUAGE AND LITERATURE.

*Professor Winston.*

The aims of the department are: to promote mental culture, to impart an accurate knowledge of the Latin language and literature, to assist in the acquisition of English scholarship and of a correct literary taste, and to afford special linguistic, literary or historical training for teachers of Latin or for other literary professions. The Course embraces four years of instruction for under-graduate students and two years for graduates.

During the **FIRST YEAR** it is desired to impart an accurate, extensive and well-grounded knowledge of Latin etymology and syntax, as furnishing an indispensable basis for scholarship. At the start a rapid review of forms and of the general principles of syntax is made for the benefit of students who are ill-prepared, and a wider knowledge of linguistic principles is constantly sought throughout the year, not only by the systematic study of the best grammars, but especially by observation of the language itself as used by its best writers and by the careful deduction therefrom of grammatical usages and principles. The course of reading embraces two of the following authors, Cicero, Livy, Ovid and Sallust, different texts being selected annually. Written translations are frequently required, and a constant effort is made to promote habits of accuracy in thought and speech. A steady drill is kept up in Latin composition, and the student is taught to understand the spirit of the language, both by using it himself and by receiving its ideas in the order and manner presented by the Latin writers. To this end instruction is given in reading Latin at sight. Roman history is taught by text-book and by lecture. There are four recitations a week during this year.

During the **SECOND YEAR** the instruction is mainly literary, but regular grammatical study and systematic drill in Latin composition are kept up until the Christmas vacation. The more subtle mood, tense and case constructions are carefully studied and applied in composition. The general principles of comparative philology, with especial study of the Latin elements in the English language, and the development and decay of the Latin language are a part of the course. In connection with the critical study and translation of Horace, Juvenal and Tacitus, such written discussions and abstracts are required as will not only promote Latin scholarship but also assist in the formation of a correct literary taste. An effort is made throughout the year to lay a good foundation for English scholarship; large amounts of Latin are read, and ease and elegance are required in translation. Attention is paid also to the social life of the Romans, and occasional lectures are given on Roman art, archæology, mythology and literature. The historical instruction covers the first century of the imperial epoch. There are three lectures or recitations a week during this year.

During the **THIRD YEAR** the class studies some special department of Latin literature and the corresponding era in Roman history. The course for 1890-'91 will be the critical study of the Latin drama and of Roman life and character during the second century before Christ. The dramas of Plautus and Terence will be read and criticised; and it is hoped by this course not merely to secure a wider view of Roman life, manners and character, but to arouse an interest in modern dramatic literature. The historical work will be done by reading recognized

modern authorities, and also by a careful study of the original material furnished in Latin literature. There are two lectures or recitations a week during this year.

The instruction of the FOURTH YEAR is not required, but is elective in the Classical, Philosophical and Literary Courses. It is intended for students who desire to teach Latin, or who aim to pursue a literary career or profession and desire special equipment therefor by thorough and extensive training in Roman history or in the Latin language or literature. It is required of candidates for the degree of Master of Arts, unless they elect the fourth year of the Greek Department. The class is usually small, and the work is adapted to its special needs or desires. The following is suggested for 1890-'91, subject to change: The critical reading of the Roman Epic writers, Virgil, Lucan and Lucretius; the professor to read the entire *Aeneid* with explanation, criticism and comment before the class: the class to read critically selections from the *De Rerum Natura*, and more rapidly the *Pharsalia*. There will be, of course, historical study and investigation of the subjects read, and the results of special historical investigation or literary criticism will be embodied in written theses. The instruction includes three recitations or lectures a week during the year.

Students completing the entire under-graduate Course may receive a special Latin Diploma, provided their scholarship during the fourth year reaches the grade of 90, with 100 as the *maximum*.

A Latin Seminary is conducted for the benefit of students in any year of the Course, who desire a more thorough training or a broader knowledge, or a higher culture than the class-room affords. Special work, auxiliary to the regular class-room work, is performed by the student privately, under the guidance of the professor, who may be consulted daily. Regular meetings are held each fortnight for general consultation, presentation of papers, reading of reports, &c. Occasional lectures on special subjects are delivered by the University professors. A special object of the Seminary is to train students in habits of original investigation, to show them how to use books, and to make a beginning with them in the work of handling and comprehending the original material out of which literature is constructed.

A COURSE OF INSTRUCTION FOR GRADUATES is arranged, upon application, to suit each individual case: that for the Master's degree requiring one year, and for the Doctor's, two. Seminary methods are employed. During the present year the following subjects have been studied by a candidate for the Doctor's degree:

- I. The Roman Writers on Rhetoric and Literature; Quintilian, Cicero and Horace.
- II. Latin Etymology and Syntax, Comparative Grammar.
- III. Roman History: a general view, with special study of the special epochs.

The following has been studied by a candidate for the Master's degree:

The Roman Provinces in Europe; their history, government, detachment from the Roman power and organization into separate nationalities.

Candidates for advanced degrees, selecting Latin as the *major* study, will be required to present a Latin thesis, embodying the results of special study and investigation in the line selected.

## THE GREEK LANGUAGE AND LITERATURE.

*Professor Alexander.*

### FIRST YEAR.

*Freshman Class—Four recitations a week.*

Lucian: *Dialogues*; or, Xenophon: *Symposium*; review of important grammatical principles (Hadley-Allen or Goodwin); selections from Herodotus, Books I and II; Homer: four Books of the *Odyssey*; prose composition once a week; History of Greece; reading at sight throughout the year.

### SECOND YEAR.

*Sophomore Class—Three recitations a week.*

Demosthenes: three *Philippics*; Euripides: *Alcestis*; Aristophanes: *Birds*; prose composition, based on the texts read; Greek History, Literature and Antiquities, with lectures; reading at sight.

### THIRD YEAR.

*Junior Class—Two recitations a week.*

Plato: *Phædo*; Plutarch: *Lives of Themistocles and Pericles*; Æschylus: *Prometheus Bound*.

### ELECTIVE.

*Senior Class—Three recitations a week.*

Homer: rapid reading of the *Odyssey*, Books I—XXIV; Greek Seminary, once a week, for the discussion of assigned topics; Modern Greek: a short course, devoted chiefly to the reading of Greek newspapers.

## INSTRUCTION OF GRADUATES.

The work of graduates is arranged, so far as possible, to meet the needs of each student. Usually, the writings of some one author, or special departments of literature, are continuously studied. Seminary methods are adopted. In 1890-'91 the following courses will be offered :

I. A critical survey of the Greek Drama, with the reading of representative tragedies and comedies and a study of the *Poetics* of Aristotle.

II. Educational theories of Greek writers: Aristotle, Plato and Plutarch.

III. Greek Archæology, in connection with Pausanias's *Description of Greece* and recent works on the subject.

IV. Greek Oratory, with the *Rhetoric* of Aristotle and the critical reading of Attic Orators.

V. Philology and Comparative Grammar of Greek.

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 ENGLISH LANGUAGE AND LITERATURE.

(INCLUDING ANGLO-SAXON.)

*Professor Hume.*

## UNDER-GRADUATE CLASSES.

## FIRST YEAR.

*Two hours a week.*

Practical Rhetoric (Genung). Etymology (Haldeman). Nineteenth Century Literature. Minto's Scott's Poems. Rolfe's Byron's Childe Harold. Parallel Reading in Scott's Prose Romances and Shakspeare's King John with English History. Skeat's Concise Dictionary.

## SECOND YEAR.

*One hour a week.*

Historical Grammar (Sweet and Lounsbury). The English of Shakspeare (Craik's Julius Cæsar). Studies in the Diction of the English Bible. Eighteenth Century Literature (Swift, Pope, The Essayists), with parallel reading in Thackeray's Humorists and English Men of Letters Series.

## THIRD YEAR.

*One hour a week.*

Art of Poetics (Gummere). Longer English Poems (Hales). Parallel Reading in Malory's *Morte d'Arthur* and Tennyson's *Idyls of the King*, and in Shakspeare's *Henry the Fourth*, with Professor's Guide to Study and Written Exercises.

## FOURTH YEAR.

LITERATURE.—*Three hours a week.*

ESSAYS AND ORATIONS.—*One hour a week.*

LITERATURE.—Taine's *History of Literature*. Chaucer's *Prologue and Two Tales* (Morris and Skeat). Dowden's *Shakspeare Manual*, with special readings in Hudson. *Richard the Third*, with lectures on Shaksperian and other illustrations of English History; *Two Comedies*, with lectures on Sources and Characters and Study of Versification; *Hamlet*, with Professor's printed Guides to Study. *Milton* (Browne's or Cleveland's Edition). Lectures on the History of the Language, on English Fiction.

ESSAYS AND ORATIONS.—Lectures on Methods of Composition, and History of Oratory. Genung's *Rhetoric*. Minto's *English Prose*. Essays of Bacon, Macaulay, Carlyle, Matthew Arnold, Emerson. Select Orations from Burke to Gladstone (Adams' Edition). Practice in Writing Analyses and Criticisms.

## ANGLO-SAXON.

*(Elective). Two hours a week.*

1. Anglo-Saxon Reader (Sweet). Gospel of John (Corson). Selections from Aelfric and King Alfred. The Saxon Chronicle. Layamon's *Brut*. Selections from the *Ancren Riwe* and the *Ormulum*. Marsh's *Early Literature*. Skeat's *Principles of Etymology*.
2. Comparative Saxon Grammar. Robert of Gloucester. *Ayenbit of Insoyt*. *Piers Plowman* (Skeat's Edition). Wycliffite Scriptures. *Beowulf* (Harrison and Sharp's Edition), or *Judith* (Cook's Edition). Ten Brink's *Early Literature*.

## POST-GRADUATE COURSE.

Selections may be made from subjects or groups announced by the Professor. The following courses have been studied during the past three sessions :

1. Rise and Progress of the Drama in England, with Comparative Studies showing the influence of other Literatures. The Classical and

Romantic Schools. History of the Drama in Schlegel and Ward and Hudson. Pre-Shaksperian Drama and Ben Jonson in Symonds. Chester Mysteries (New Shakspeare Society's Edition), York Plays (Toulmin Smith). Comedy from Roister Doister (Arber) through Green. Lyly's Court Comedies and Euphues. Shakspeare and Jonson, to Comedy of the Restoration. Tragedy from Gorboduc through Kyd, Marlowe, Shakspeare, Jonson, Marston, Heywood, Webster, to Beaumont and Fletcher, Massinger and Ford. Chronicle Plays from Peele through Marlowe to Shakspeare. Pastorals and Masques in Ben Jonson, Fletcher, Milton. Dryden and French Influence.

2. Beowulf (concluded). Exodus and Daniel (Hunt's Edition). Comparative Grammar. Norse Mythology.

3. History of English Poetry from Spenser to Tennyson. Clarendon Press and Globe Editions and English Men of Letters Lives of the Poets. Allegorical Poetry (Sackville's *Mirror for Magistrates* and Spenser's *Faerie Queen*). Shepherdes Calender. The Sonnet from Surrey to Mrs. Browning with special studies in Shakspeare's Sonnets. Milton with readings in Masson's *Life and the Areopagitica*. Some readings in Sir T. Browne and Burton. The Metaphysical Poets. The Didactic and Correct School: (Dryden's *Minor Poems and Satires*, Pope's *Pastorals and Didactic and Satirical Poems*). Gosse's *From Shakspeare to Pope* reviewed. Cowper, Crabbe, Burns. *Ballad and Narrative Poetry* (Scott). *Nature and Man* from Byron and Wordsworth to Tennyson and Browning.

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## MODERN LANGUAGES.

*Professor Toy.*

The subjects taught in this department are the French and German languages and their literatures.

### UNDER-GRADUATE CLASSES.

#### I. FRENCH.

1. *Three times a week throughout the year.*

Chardenal's *First French Course*. Two or more of the following texts: Perrault's *Contes de Fées*, Xavier de Maistre's *Voyage Autour de ma Chambre*, About's *La Mère de la Marquise*, Daudet's *Contes Choisis*, Lamartine's *Jeanne D'Arc*.

Written and oral exercises. Heath's, Masson's or Gasc's Dictionary.

2. *Three times a week throughout the year.*

Souvestre's *Un Philosophe sous les Toits*; Racine's *Athalie*; Molière's *Le Tartuffe*; Victor Hugo's *Hernani*.

French Composition (*Macmillan's Course*). French Literature (lectures). Harrison's *French Syntax* or Whitney's Grammar for (reference). Lectures on special points of grammar.

\*3. (*Elective.*) *Twice a week throughout the year.*

General study of the age of Louis XIV. Dumas' *Louis XII et Son Siècle*. Fénelon: Madame de Sévigné; La Fontaine; Molière; Corneille; Bossuet. Saintbury's *Short History of French Literature* (for reference).

## II. GERMAN.

1. *Three times a week throughout the year.*

Joynes-Meissner's German Grammar. Two or more of the following texts: Brandt's Reader, Hauff's *Das Kalte Herz*, Schiller's *Der Neffe als Onkel*, Uhland's Ballads.

Written and oral exercises. Heath's, Whitney's or Thieme's Dictionary.

2. *Three times a week throughout the year.*

Schiller's *Wilhelm Tell*; Gœthe's *Aus Meinem Leben* (Selections); Freytag's *Die Journalisten*.

Harris' *German Exercises*. German Literature (lectures). Whitney's or Joynes-Meissner's Grammar (for reference). Lectures on special points of grammar.

3. (*Elective.*) *Twice a week throughout the year.*

(General Course intended to lay the foundation for extensive studies in German literature).

Selections from Gœthe, Schiller, Lessing, Wieland, Hauff, Freytag. Scherer's *History of German Literature* (for reference) Literary criticism.

In each language Class 1 is designed to give an *exact acquaintance* with the grammatical forms and the leading principles of syntax.

The instruction is given partly by grammatical textbooks and exercises, written and oral, but chiefly by a careful study of good prose. The class reads as widely as

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\*Not offered in 1890-'91.

possible. At the end of the year the student is expected to translate simple prose at sight.

In Class 2 some difficult points of grammar are discussed along with the weekly exercises, but most of the time is given to the reading and literary criticism of standard writers, classic and modern.

In Class 3 large amounts will be read, in order to obtain a just appreciation of certain literary periods.

In general, the aim of this department is to teach *exact, idiomatic* translation and to give such an acquaintance with French and German, that after taking a full course, students may readily learn to speak these languages and to read them easily for pleasure or for practical purposes. In the 3d French Class of this session, the instruction has been given partly in French.

#### POST-GRADUATE WORK.

Subjects for post-graduate work will be assigned upon application. Candidates from this University must have completed successfully the Elective Class (No. 3) in the language chosen. The work may be either of a literary or philological character, and must in all cases be done by original investigation. Outlines of work will be assigned, as nearly as possible, according to the ultimate aims of the student.

## SCIENTIFIC DEPARTMENT.

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FRANCIS PRESTON VENABLE, PH. D., F. C. S.,  
*Professor of General and Analytical Chemistry.*

JOSEPH AUSTIN HOLMES, B. S., F. G. S. A.,  
*Professor of Geology and Natural History.*

JOSHUA WALKER GORE, C. E.,  
*Professor of Natural Philosophy.*

WILLIAM CAIN, C. E.,  
*Professor of Mathematics and Engineering.*

JAMES SCOTT CALLISON,  
*Assistant in Chemical Laboratory.*

JOSEPH VOLNEY LEWIS,  
VICTOR S. BRYANT,  
*Instructors in Biology.*

HOWARD B. SHAW,  
*Instructor in Mathematics.*

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## OUTLINE OF INSTRUCTION.

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### CHEMISTRY.

*Professor Venable.*

#### UNDER-GRADUATE CLASSES.

##### GENERAL CHEMISTRY.

*Three lectures a week through the year.*

The facts and general principles of Chemistry are presented in the following order:

1. Chemical Physics.
2. The Chemistry of the Non-metals and Metals.
3. Organic Chemistry.

Instruction is given mainly by lectures, and these are illustrated by numerous experiments. During the first term the class spends one hour per week in the laboratory in experiments upon the substances described in the lectures. The following reference-books are recommended: Richter's Chemistry; Watts' Chemistry; Remsen's Inorganic and Organic Chemistry; Roscoe & Schorlemmer's Treatise on Chemistry.

#### INDUSTRIAL CHEMISTRY.

*Three lectures a week through the year.*

A knowledge of General Chemistry is a pre-requisite to this course. The applications of Chemistry to the arts and manufactures will be considered under this heading.

The subjects treated of will be: the extraction of the useful metals from their ores, the manufacture of glass, porcelain and earthenware; foods, their production, preparation and adulteration; clothing, printing, dyeing, bleaching, tanning; building materials; manufacture of candles, soap, ink, matches, &c.

REFERENCE-BOOKS:—Wagner's Chemical Technology, Ure's Dictionary of Arts and Manufactures.

INDUSTRIAL MUSEUM.—Many specimens of crude and manufactured products have already been gathered for purposes of class illustration, and continual additions are being made to the collection.

#### ANALYTICAL CHEMISTRY.

The aim in this study will be to prepare students to become Analytical Chemists, Teachers of Chemistry, or Druggists. There are two classes.

#### QUALITATIVE ANALYSIS.

*Six hours a week through the year.*

Fall term—Blow-pipe Analysis. Spring term—Wet Analysis.

#### QUANTITATIVE ANALYSIS.

*(Elective.) Six hours a week through the year.*

Full instruction is given in practical chemistry, including the analysis of ores, soils, manures, technical products, &c. Students are also encouraged to undertake original researches.

A deposit of ten dollars is required of each student to defray the cost of apparatus and chemicals. The new laboratories are provided with water, gas and all other appliances for the prosecution of scientific work.

## POST-GRADUATE CLASSES.

The study of Theoretical Chemistry will be pursued with such text-books as Reimsen, Wurtz and Meyer. The student will be required to prepare lists of chemical compounds, tabulate physical constants and make bibliographies of special chemical substances, using for the purpose chemical dictionaries and the various chemical periodicals.

Advanced and post-graduate work in the Laboratory will be assigned in inorganic or organic analysis to any student desiring it.

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## GEOLOGY AND NATURAL HISTORY.

*Professor Holmes.*

*Mr. Bryant and Mr. Lewis.*

### I. GEOLOGY.

## UNDER-GRADUATE CLASSES.

The instruction in this subject includes the following:

#### 1. GENERAL GEOLOGY.

*Three lectures per week during the second term.*

The lectures are accompanied by occasional field excursions and work in the laboratory.

#### 2. PRACTICAL GEOLOGY.

*(Elective.) Three hours per week throughout the year or during either term.*

During the first term the time is devoted to Field Geology and Lithology.

During the second term the nature of the work varies according to circumstances.

To this class are admitted students who have passed satisfactorily the examination in General Geology.

TEXT-BOOKS AND BOOKS OF REFERENCE:—Leconte's Elements of Geology, Dana's Manual of Geology, Geikie's Text-Book of Geology, Geikie's Field Geology, Williams' Economic Geology, Reports of U. S. Geological Survey, North Carolina and other State Surveys.

### 3. MINERALOGY.

*Three hours per week through the year.*

Fall term—Crystallography and descriptive Mineralogy. Spring term—Descriptive and Determinative Mineralogy. *Text-books:* Dana's Manual of Mineralogy and Petrography and Cornwall's Blow-pipe Analysis *Reference-book:* Dana's System of Mineralogy.

Only those who have been approved in General Chemistry can enter this class.

The laboratory for Geology and Mineralogy is supplied with large collections of rocks and minerals, including microscopic sections, models, charts, microscopes and various instruments for laboratory and field work.

### POST-GRADUATE WORK.

Post-graduate courses have been arranged as follows :

1. In General Geology, including the general principles of Dynamical, Structural and Historical Geology.
2. Economic Geology, in which special attention is given to the Geology of North Carolina.
3. Lithology and Field Geology, including special study of rocks, and geological field work about Chapel Hill and in other sections of the State during summer vacation.

Text-books and details of courses will be given as these courses are assigned.

## II. BOTANY.

### UNDER-GRADUATE CLASSES.

The following courses are offered :

#### I. ELEMENTS OF BOTANY.

*Three lectures per week during the latter half of the second term.*

This is designed as an elementary course for the general student, and as an introductory course for students intending to do advanced work in Botany.

## 2. SYSTEMATIC AND APPLIED BOTANY.

The work in this class consists largely of the systematic study of the flowering plants of the Chapel Hill region, in the laboratory and in the field. Students who desire to do so, may collect, identify and preserve specimens of plants at their homes during the summer vacation; and such specimens properly mounted will be counted in the class work for that year.

TEXT-BOOKS AND BOOKS OF REFERENCE:—Gray's Lessons and Manual of Botany, Gray's Botanical Text-books, Chapman's Southern Flora, Sach's Text-book, Bessey's Botany, and others of a special character.

The laboratory contains a small herbarium and collections of native woods and other vegetable products, microscopes and other instruments.

## 3. HYGIENE.

A course of five lectures will be given at the beginning of the first term relating to the care of the general health.

## 4. PHYSIOLOGY.

*Three lectures per week during the first term.*

Special attention will be given to the comparative physiology of respiration and circulation. The lectures will be illustrated by microscopic exhibitions of some of the lower forms of animal life, the tissues and blood of higher animals, circulation of blood in the web of a frog's foot, and by painless experiments upon animals.

## 5. GENERAL ZOOLOGY.

*Three lectures per week during the first half of the second term.*

A part of the time will be devoted to the study of representative forms by the student himself.

## 6. GENERAL BIOLOGY.

In this course facilities will be offered for practical work in the dissection of animals, illustrating and amplifying the studies in physiology and general zoology. After becoming familiar with methods in the preliminary work, the student may elect, upon consultation with the Professor in charge, a line of work more suited to his taste and needs.

During the second term of this study, the student may, with the Professor's permission, devote special attention to ORNITHOLOGY, or ENTOMOLOGY. This work will be conducted by lectures, laboratory and field work.

Special arrangements will be made with students wishing to collect specimens for the museum during the summer vacation, so that the work will count in one of their courses.

Upon application the Professor in charge will give further information.

TEXT-BOOKS AND BOOKS OF REFERENCE:—Martin's Human Body; Flint's Text-book of Human Physiology; Yeo's Manual of Physiology; Parke's Hygiene; Dalton's Physiology; French's Butterflies of the Eastern United States; Saunders' Insects Injurious to Fruits; Harris' Insects Injurious to Vegetation; Packard's Guide to the Study of Insects; Claus' Text-book of Zoology; Brooks' Hand-book of Invertebrate Zoology; Huxley's Anatomy of Invertebrate Animals; Huxley's Anatomy of Vertebrate Animals; Wilson's American Ornithology; Coues' Key to Birds of North America; and others.

The laboratory contains a large and valuable collection of insects and over one hundred different kinds of birds, also many animals.

#### POST-GRADUATE WORK.

Post-graduate courses in Zoology, Botany and General Biology are arranged on application.

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### NATURAL PHILOSOPHY.

*Professor Gore.*

#### UNDER-GRADUATE CLASSES.

##### PHYSICS, ELEMENTARY COURSE.

*Two hours a week through the year.*

This course treats, in a brief way, the more important parts of the whole subject of Physics. It is required in the Scientific Course, Sophomore year, and is one of the subjects included in the School of Medicine.

TEXT-BOOK:—Stewart's Physics.

##### PHYSICS.

The subject is treated in the following order: Mechanics of Solids; Liquids and Gases; Heat; Electricity; Magnetism; Sound and Light. The class meets three times a week for recitation or lecture. The course is fully illustrated by experiments which constitute an important feature of the instruction.

The class is divided into sets of three students each for experimental laboratory practice. The time devoted to this work will average one hour and a quarter per week.

A fee of two dollars per term is required of each member of the class to defray cost of materials used.

## ASTRONOMY.

*Three hours a week during the second term.*

The subject is pursued as a branch of liberal education, and hence treats of Spherical, Practical and Theoretical Astronomy, and Cosmical Physics. An elementary knowledge of Analytic Geometry is required for admission to the class.

TEXT-BOOK:—Young's General Astronomy.

## PROJECTION DRAWING.

*(Elective). Three hours a week during the first term.*

Descriptive Geometry, Orthogonal and Oblique Projections, Projections of Shades and Shadows, Working Drawing of Machines and Detail Drawings, Linear Perspective.

## ELECTRICAL ENGINEERING.

*(Elective). Five hours a week through the year.*

This course will be principally laboratory work, and consist of Electrical Measurements, Theory and Experimental Study of Dynamo Machines, Electric Motors, Electric Lightiug, Storage Batteries, Measurements in Magnetism, Telephone and Telegraph Lines and Cables.

A fee of five dollars per term is required of each student to defray cost of materials used.

## ADVANCED OR POST-GRADUATE CLASS.

PHYSICS.—Students will be admitted to this class who have completed the junior class or its equivalent. The instruction will include: Method of Least Squares, Physical Manipulation, Physical Measurements with Instruments of Precision, Reduction of Observations.

PHYSICAL LABORATORY.—The rooms of the Physical department occupy the first floor of the New West Building. The equipment of the department comprises many fine instruments of precision. A standard clock; a standard yard; sets of resistance coils; sine, tangent and mirror galvanometers; electrometers; condensers and a magnetometer are among the instruments. The laboratory is well provided with apparatus for illustrating the general course in Physics.

A work-shop, attached to the laboratory, is provided with a steam engine, lathe for wood and metal, and the necessary tools and material for repairing and making apparatus. An electric light plant has been installed, chiefly for instruction in electrical engineering.

## MATHEMATICS AND ENGINEERING.

*Professor Cain and Mr.-----\**

## I. MATHEMATICS.

## UNDER-GRADUATE CLASSES.

## FIRST YEAR.

*Four recitations a week.*

In the first term the student finishes the study of Algebra, discussing Quadratic Equations, Arithmetical and Geometrical Progression, the Binomial Theorem and various other series, Permutations, Combinations, Logarithms, &c., and Theory of Equations.

In the second term the study of Geometry is taken up and completed. The course embraces both Plane and Solid Geometry—as much as is included in Wentworth's or Chauvenet's text-books on the subject.

TEXT-BOOKS:—Newcomb's College Algebra, Wentworth's College Algebra, or Taylor's Collège Algebra, Wentworth's Geometry.

## SECOND YEAR.

*Four recitations a week.*

Construction and use of Tables of Logarithms, Plane and Spherical Trigonometry, with applications, Analytic Geometry.

TEXT-BOOKS:—Wentworth's Trigonometry and Tables, Bowser's Analytic Geometry.

## THIRD YEAR.

*(Elective). Four recitations a week.*

Solid Analytic Geometry, Differential and Integral Calculus, Analytic Mechanics.

TEXT-BOOKS:—Bowser's Analytic Geometry, Taylor's Calculus, Bowser's Analytic Mechanics.

## FOURTH YEAR

*(Elective). Three recitations a week.*

Mechanics of Engineering, as under Engineering course below.

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\*To be elected.

## II. ENGINEERING.

## UNDER-GRADUATE CLASSES.

Candidates for this course must have accomplished the first and second years of either the Scientific, Philosophical or Classical Courses.

## THIRD YEAR.

*Four recitations a week.*

Solid Analytic Geometry, Differential and Integral Calculus, Analytic Mechanics.

TEXT-BOOKS:—Bowser's Analytic Geometry, Taylor's Calculus, Bowser's Analytic Mechanics.

## DRAWING AND SURVEYING.

A course in Topographical and Mechanical Drawing will be offered the entire year.

The class will meet the Professor twice per week.

Surveying will be taught the second term, three hours per week. Two hours of field work can replace one hour of class-room work, at the option of the Professor.

## FOURTH YEAR.

*Three recitations a week.*

Mechanics of Engineering, including Hydro-mechanics, Strength of Materials, Stresses in Bridges and Roofs, and stability of structures generally, including Arches, Dams and Retaining Walls.

TEXT-BOOKS AND BOOKS OF REFERENCE:—Bowser's Hydro-mechanics, DuBois's Strains, &c.; Merriman's Works on Bridges and Roofs, Strength of Materials and Hydraulics; Cain's Arches, Bridges and Retaining Walls; Lanza's Applied Mechanics; Rankine's Engineering; Weisbach's Mechanics of Engineering.

## DRAWING AND SURVEYING.

*Two recitations a week.*

A course in Mechanical Drawing will extend throughout the entire year. Higher Surveying (elective) will be taught the first term.

TEXT-BOOKS:—Johnson's Surveying, Gillespie's Surveying.

## POST-GRADUATE CLASSES.

Post-graduate instruction in Civil Engineering consists in courses of reading, leading to detailed practical applications of theory of structures, extended treatment of Graphical Statics and its applications, Economical Theory of Railway Location, Masonry Construction, Stone Cutting and Practical Design generally. This course will cover one or two years, and will be suited to the needs of the student.

WORKS RECOMMENDED:—Pocket books of various Iron Companies, Hiron's Plate Girder Construction, Waddel's Designing of Highway Bridges, Burr's Bridges, Levy's Statique Graphique, Cain's Solid and Braced Elastic Arches, Baker's Masonry Construction, Fanning's Water Supply Engineering, Wellington's Economical Theory of the Location of Railways. Latham's Sanitary Engineering, Warren's Stone Cutting. Weisbach's Mechanics of Engineering.

PREPARATORY SCHOOL OF MEDICINE.

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RICHARD H. WHITEHEAD, M. D.,

*Professor of Anatomy and Physiology and Materia Medica.*

F. P. VENABLE, PH. D.,

*Professor of Chemistry.*

JOSEPH A. HOLMES, B. S.,

*Professor of Botany.*

J. W. GORE, C. E.,

*Professor of Physics.*

The Medical Department is designed to be preparatory to the diploma-granting medical colleges. It will aim to give the student a thorough course of instruction in those subjects which constitute the foundation of medical science, a knowledge of which is essential to the physician, both in his study and treatment of disease, and yet which are too often neglected. Its connection with a well-equipped University makes it far superior to a year's reading under a preceptor, and it is believed that it will compare favorably with the first-year course of any of our medical colleges. Such a school will hold an important position in the system of higher medical education so earnestly desired by the medical profession, while it will lighten the subsequent labors of the student by enabling him to study with greater intelligence and success the higher branches of medicine.

The course lasts one session of nine months, and comprises instruction in Chemistry, Physics, Natural History, Anatomy, Physiology and Histology and Materia Medica.

## ANATOMY.

Believing that only nature's drawings are true, the instruction in this department will be eminently practical. The statements made will be proved by actual demonstration upon the cadaver, bones and prepared specimens, and the student will be required to verify these statements for himself by dissecting and studying the dissected cadaver. The student will be required to stand certain practical examinations upon the bones and cadaver. Each student is earnestly requested to bring with him, if practicable, a disarticulated skeleton. The class will meet daily for two hours and a portion of the time will be devoted to quizzing upon the lectures of the preceding day.

## PHYSIOLOGY AND HISTOLOGY.

After the course in Anatomy is completed, the study of Physiology and Histology will be begun. The instruction will be by means of a thorough course of lectures and by rigid daily examinations, especial attention being given to the physiology of the digestive and nervous systems.

Histology will be illustrated by means of the microscope and sections of the tissues, thus teaching the use of the microscope and enabling the student to obtain a correct knowledge of the microscopical anatomy of the various tissues. This class also meets daily for two hours.

## MATERIA MEDICA.

This subject will be taken up last, after the student has obtained sufficient knowledge of the other branches. It includes the study of the chemical and physical properties of drugs and especially of the physiological action. The instruction will be by means of daily lectures and examinations.

Written examinations will be held upon the different branches in the order of their completion.

TEXT-BOOKS:—Gray's Anatomy, Yeo's Manual of Physiology, Klein's Elements of Histology, H. C. Wood's Therapeutics.

TUITION for the above-mentioned classes \$75.00.

The courses in Physics, Botany and Chemistry are described elsewhere in this Catalogue, and to these the student is referred. For these courses the ordinary University charges are made, viz., \$4.00 per annum for each hour of recitation or lecture.

Every student is required to pay the University Registration fee of \$5.00 per term.

## PHARMACY.

A course in Pharmacy is offered by the University to all students who may desire to become professional druggists. It is designed in this course to give thorough instruction in those sciences in which the principles of pharmacy rest.

The following classes constitute the course in pharmacy:

## BOTANY.

*Three lectures a week for six weeks.*

## GENERAL CHEMISTRY.

*Three lectures a week for two terms.*

## ANALYTICAL CHEMISTRY.

*Three hours a week for two terms.*

## MATERIA MEDICA.

(For number of hours, see School of Medicine.)

## PHYSIOLOGY.

*Three hours a week for one term.*

## PREPARATION OF DRUGS AND TOXICOLOGY.

*Two hours a week for two terms.*

The course lasts for two terms, or one session, and the total expenses for tuition and laboratory fees will be \$75.00.

## SCHOOL OF LAW.

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HON. KEMP P. BATTLE, LL.D.,  
*President.*

HON. JOHN MANNING, LL.D.,  
*Professor.*

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This department contains two classes:

1. The Independent Class.
2. The Junior Class.

While particular attention is directed to preparation for obtaining license to practice law in the courts of this State, the student will be invited to pursue a more extended course, and to obtain a broad and liberal knowledge of the law.

Wherever the law of North Carolina differs from that enunciated in the text-books, information is given of such difference and the reason therefor. Lectures are given from time to time on such subjects as have been greatly modified by our statutes, such as Marriage, Descent, Wills, Limitations, Exemptions from Executions, &c.

A Moot Court for the discussion of law questions, and for instruction in the practice of the Courts, is regularly held by the Professor.

THE PLAN OF STUDIES comprises: (A) The course prescribed by the Supreme Court of the State for applicants for license to practice. (B) A course of study for those desiring to compete for the degree of Bachelor of Laws.

TEXT-BOOKS:—(A) Blackstone's Commentaries, Washburn on Real Property, Schouler on Executors, Stephen on Pleading, Chitty's Pleading, Adams or Bispham's Equity, 1st Greenleaf on Evidence, Smith on Contracts, Addison or Bigelow on Torts, Constitution of the United States and of North Carolina, Code of North Carolina, particularly the

Code of Civil Procedure. (B) Pollock on Contracts, Pierce on American Railroad Law, Angell & Ames or Dillon on Corporations, Pomeroy's Equity Jurisprudence, Cooley's Constitutional Limitations, Wharton's Criminal Law, Best's Principles of Evidence, Cooley on Taxation, and May on Insurance.

To complete the entire course will ordinarily require two years, at the end of which the degree of Bachelor of Laws will be conferred on such students as shall pass an approved examination.

Those joining class (A) during the course, standing an approved examination on the books already read, or their equivalents, will be allowed to compete for this degree.

The advantages offered by this school are: 1. The use of the University and Society libraries, amounting in the aggregate to over twenty-five thousand volumes. 2. The training to be derived from participation in the debates and other exercises of the two literary societies. 3. The opportunity afforded, on easy terms, of attending the lectures of the President, and such other lectures as they may desire. 4. Freedom from temptation and the stimulant to study found in the University regulations, and in the atmosphere of study and of books pervading Chapel Hill.

TERMS, PAYABLE IN ADVANCE: For both courses, "A" and "B," \$150. For the Independent Class per session of forty weeks, five recitations per week, \$90. For the Junior Class per session of forty weeks, two recitations per week, \$40.

The Junior Class is intended for young men attending other classes in the University.

#### SUMMER COURSE.

The summer course will begin July first and continue until the last Monday in September. Two classes, Senior and Junior. Fees for Senior \$30, for Junior \$30, for both \$50.

Students will be received at any time and for any period. In such cases, reasonable deduction of tuition fees will be made.

The sessions and vacations of this department (except those of the summer course) are the same as those of the University.

## DONATIONS TO THE UNIVERSITY LIBRARY.

By Capt. Francis T. Bryan, United States Army, Class of 1842, St. Louis, Mo., a valuable collection of 175 volumes. It includes books on a variety of subjects—engineering, surveying, drawing, fortifications, casting of cannon, bridge-building, navigation, steam engines, mathematics, ship-building, architecture, biography, and classical literature. They represent the judicious accumulations of years. Most of them are authorities, and some of them are very rare, having been purchased from time to time at the book-stands of London, Edinburgh, and the Continent.

By Richard Randolph,  
C. Hemrick Co.,  
The Rev. Geo. B. Taylor,  
Prof. J. R. Sitlington Sterret,  
Judge Spier Whitaker and  
Hon. A. M. Waddell,  
Department of Interior,  
War Department,  
Hon. W. R. Cox,

By Senator Z. B. Vance,  
Department of Agriculture,  
Treasury Department,  
Bureau of Education,  
H. V. & H. W. Poor,  
Dr. Curtis G. Hussey,  
W. S. Casedy,  
James D. Gleun, Adjutant Gen-  
eral of N. C.

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Number of volumes added during 1889-'90.....	1,000
Number of volumes in Library previously reported.....	33,000
Total.....	34,000

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Oil portrait of Gen. Wm. A. Blouet.  
Pamphlets by Judge Walter Clark.

## DONATIONS TO THE DIALECTIC SOCIETY.

Oil portrait of Hon. A. M. Scales.  
Oil portrait of Gen. Rufus Barringer.

## DONATIONS TO UNIVERSITY.

Seven iron rustic settees for campus from D. G. Worth.  
A set of polished specimens of Tennessee marbles, from Col. John J. Craig, Knoxville, Tennessee.  
A set of polished specimens of Vermont marbles, from Sheldon & Co., West Rutland, Vermont.