

**CARDINAL NEWMAN HIGH SCHOOL**  
**512 Spencer Drive**  
**West Palm Beach, Florida 33409**

This edition of the Curriculum Handbook of Cardinal Newman High School is designed to present to the student a description of the courses offered for the school year 2009-2010.

It is extremely important to note the information given in this booklet. The academic regulations are important in the light of a student's continuing to matriculate at Cardinal Newman; they are also the key to the final goal of our students - graduation. The course descriptions are important not only for the present but also for the future. Many courses have prerequisites which depend upon performance in a previous course. Poor achievement in a certain course may have future implications, e.g., it may disqualify a student from enrollment in a future course or from graduation from high school.

The curriculum outlined herein presupposes that a certain number of students will sign up for the courses. Any offering listed which has insufficient registration may be canceled.

Cardinal Newman High School is accredited by the Southern Association of Colleges and Secondary Schools. CEEB Code 101835.

**I. CREDIT REQUIREMENTS - GRADES 9-12**

The graduation requirements at Cardinal Newman High School are based on local school policy, standards of the Florida State Board of Education, and the accreditation standards of the Southern Association of Colleges and Schools. Each year the student must take 14 semester units. Failure in any state requirement necessitates make-up credit during the remediation period approved by the administration. Remediation is required for any failure in Grade 9. For grades 10, 11, 12, remediation is required for failure in any required course and for any failure in any elective needed to complete the annual 12 passed semester units. Remediation is not required but strongly recommended for grades 10, 11, 12, for failures in electives whose credit is not required to complete the annual 12 passed semester units. All registration for remediation requires official permission from CNHS administration. The student's permanent record will reflect grades for all remediation classes and, in courses made up for failures, appropriate passed credit. Remediation grades are not used in compilation of honor roll. All remediation is done through the Cardinal Newman High School remediation program.

Religion	4.0 cr	8 semester units	Science	4.0 cr	8 semester units
English	4.0 cr	8 semester units	Physical Education **	1.0 cr	2 semester units
Social Studies	4.0 cr	8 semester units	(Health Opportunities through PE)		
Foreign Language ** *	2.0 cr	4 semester units	Performing Arts *	1.0 cr	2 semester units
Mathematics	4.0 cr	8 semester units	Community Service	0.5 cr	100 hrs
			Personal Fitness ****	0.5	1 semester unit
			Life Management ****	0.5	1 semester unit

**Beginning with 2008-2009 School Year:**

- \* 0.5 credit in Speech and 0.5 credit in a Performing Art elective are required.
- \*\* 1.0 credit (Health Opportunities through P.E.)  
A student enrolled in Band for all four years or an I. B. Diploma Programma student enrolled in Band in grades 9 and 10 is excused from this course. They must be completed if the student drops Band or I.B.
- \*\*\* At least 2 credits must be earned during the student's high school years. Native speakers of French or Spanish are strongly encouraged to study the other foreign language.
- \*\* Participation in an interscholastic sport at the Freshman, JV or Varsity level for 1 full season shall exempt the student athlete from the PE elective, as long as the student earned a grade of C or better in Personal Fitness. The course will be shown on the student's transcript as 'Physical Education Elective' with "EX" for the grade (no "credit" is awarded.) This applies to students in 11 & 12<sup>th</sup> grades.
- \*\*\*\* Students presently enrolled in 11<sup>th</sup> and 12<sup>th</sup> grade must complete Personal Fitness and Life Management as part of their graduation requirement.  
A student needs a minimum of 25 credits to graduate. The remaining credits may be chosen from the electives offered.

**NOTE:** Adjustment of credit requirements will be made for transfer students as necessary. The school reserves the right to determine transferred course levels and weighting factors.

Cardinal Newman students are not permitted to graduate before completion of the eighth semester in their senior year.

## II. FLORIDA BRIGHT FUTURES SCHOLARSHIP PROGRAM

Students planning on attending a Florida college may qualify for the Florida Bright Futures Scholarship Program. The State examines this program regularly and may change requirements. Consult: [www.firn.edu/doe/brfutures/acadrequire.htm](http://www.firn.edu/doe/brfutures/acadrequire.htm).

## III INTERNATIONAL BACCALAUREATE PROGRAM

As an International Baccalaureate School, Cardinal Newman offers its students the opportunity to earn this prestigious diploma in addition to our own.

“The International Baccalaureate Program (IB) is a rigorous preuniversity program leading to assessments in six subject areas. Established in 1968, the IB offers a challenging curriculum noted for its depth and international perspective. The two-year IB Diploma provides a coherent and demanding educational experience across the full curriculum. Beyond completing college-level courses and examinations, IB students are also required to engage in community service, individual research, and an inquiry into the nature of knowledge. The IB diploma is accepted as an admissions credential at universities in 102 countries. In addition, high scores in IB exams often entitle students to credit or placement at university.” International Baccalaureate Organization

Cardinal Newman students who choose to take advantage of the IB program would follow the following 4-year curriculum. The I.B. Diploma Programme is intended as a complete two-year composite of 7 academic subjects. There will be an additional fee of **\$1500.00** per year during the I.B. student’s Junior and Senior year.

**Pre I.B. students are strongly encouraged to take the most rigorous courses offered. (i.e. Honors/AP)**

Grade 9	Grade 10	Grade 11	Grade 12
Religion	Religion	Religion/Theory of Knowledge	Religion/Theory of Knowledge
English	English	IB English H.L.	IB English H.L.
East/West History	US History	IB History of Americas H.L.	IB History of Americas H.L.
French/Spanish	French/Spanish	IB French/Spanish S.L.	IB French/Spanish S.L.
Geometry	Algebra II	IB Mathematics S.L.	IB Mathematics S.L.
Integrated Science/Biology	Chemistry	IB Biology H.L.	IB Biology H.L.
Band/Health Opportunities thru Physical Ed.	Speech/Band/ ½ credit in Performing Arts	IB Visual Arts S.L.	IB Visual Arts S.L.

Additional details and brochures are available from Miss Fretterd (IB Coordinator) or Mrs. Kleisley (IB Secretary).

## III. COURSE OF STUDY

State universities in Florida, as well as many other colleges and universities, require two consecutive years of a foreign language for admission. Two years of study of the same foreign language during the four years of high school are required. Thus, if a 9<sup>th</sup> grade student enters Cardinal Newman with a high school credit in Foreign Language or has passed the Language Placement test, he/she is placed in the second year of that language, and in the 10<sup>th</sup> grade would continue in the third year of that language.

### Learning Problems:

Parents are advised to make the school aware (through the guidance counselor) of any learning problems your child has, e.g. dyslexia, ADHD. Cardinal Newman High School does not offer a special education program for those students with learning disabilities. We are not equipped to offer an individualized learning program. We do attempt to offer limited assistance to students with minor learning problems through our Learning Strategies courses. We will make every attempt to work with your child to the best of our limited ability. Student and parent cooperation are essential to any successful learning experience.

## GRADE 9

- 1.0 English - Regular/Honors
- 1.0 Religion (Old Testament, 0.5; New Testament, 0.5)
- 1.0 Math; Algebra I(Regular); or Geometry; (Regular/Honors)
- 1.0 Integrated Science (Regular); Biology (Regular/ Honors)
- 1.0 Foreign Language ( Spanish, French, or Learning Strategies)
- 1.0 Social Studies (Eastern and Western Civilizations, Regular/Honors)
- 1.0 Band or 1.0 Health Opportunities Through P.E.
- Pre IB Curriculum

## GRADE 10

- 1.0 English - Regular/ Honors
- 1.0 Religion (Church History, 0.5; Sacraments and Liturgy, 0.5)
- 1.0 Math Algebra I - Regular/Honors; Algebra IB; or Geometry - Regular/Honors; Algebra II - Regular/Honors
- 1.0 Biology - Regular/Honors
- 1.0 Foreign Language (Spanish, French, or Learning Strategies)
- 1.0 U.S. History to 1900 - A.P. / Regular
- 1.0 Band or 0.5 Speech/0.5 Performing Arts Elective
- Pre IB Curriculum

## GRADE 11

- 1.0 English - Regular / AP
- 1.0 Twentieth Century History - Regular, A.P. US History
- 1.0 Religion (Morality, 0.5; Justice in Action, 0.5)
- 1.0 Chemistry - Regular/Honors
- 1.0 Math (Geometry - Regular/Honors; Pre-Calculus: Regular / Honors; Integrated Math III, Algebra II - Regular/Honors)
- 2.0 Electives
- I.B. Curriculum
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### ELECTIVES:

Refer to List of Electives for Grade 12

## GRADE 12

- 1.0 English - Regular, AP
- 1.0 Social Studies (Economics - Reg / AP, 0.5; American Government, 0.5)
- 1.0 Science (Physics - Honors / Regular; Anatomy - Honors / Regular; Marine Science - Honors / Regular
- 1.0 Math (Calculus or AP Calculus; Precalculus - Honors / Regular; Algebra II - Honors / Regular; Probability & Statistics with Applications; Integrated Math III)
- 1.0 Religion (Social & Family Relationships, 0.5, World Religions, 0.5)
- 2.0 Electives
- I.B. Curriculum

## ELECTIVES:

0.5 Leadership Development	0.5 Beginning Weight Training	0.5 Journalism I
0.5 Creative Writing I	0.5 Advanced Weight Training	0.5 Journalism II
0.5 Creative Writing II	0.5 Computer Applications I	0.5 Journalism III
0.5 Contemporary Literature	0.5 Desktop Publishing	0.5 Journalism IV
1.0 Spanish	0.5 Journalism Desktop Publishing	0.5 Drawing I
1.0 French	0.5 Info Global Tech I	0.5 Painting I
0.5 Speech/Debate Team I	0.5 Info Global Tech II	0.5 Painting II
0.5 Team Sports	0.5 Computer Tech/Independent Study*	0.5 Drawing/Painting III
0.5 Individual/Dual Sports	1.0 Emerging Tech Business	0.5 Chorus
0.5 Speech I	0.5 Personal Fitness**	0.5 Band
0.5 Speech Debate Team II	0.5 Life Management**	0.5 Music Appreciation
		0.5 Jazz Ensemble
*Senior elective only	**11-12th grades only	0.5 Dance Team

### A. Honor Course Requirements

Students wishing to qualify for Honors Courses must meet established course requirements set by the specific departments.

### B. Learning Strategies Requirements

Only students whose grade point averages, standardized test scores, or specific course grades indicate the need for strengthening academic skills will be placed in Learning Strategies. Student progress will be monitored carefully and student placement reevaluated at the end of each semester.

### C. Course/Schedule Changes

Students are advised to think carefully before choosing their courses for the coming year. Parents are asked to sign the student course request sheet indicating their approval of the student's choices. Upperclassmen receive priority in scheduling. **Since offerings are dependent upon, among other things, student selection, in order to be fair to all, students will not be allowed to change classes once rosters are finalized.**

**There is a one week period for changes due to the following:**

1. Incorrect class assignment
2. Graduation requirement
3. Level Change (i.e. IB, Advanced Placement, Honors, Regular, etc.)

### D. Homework

Students and parents should realize that in addition to written homework, a student has an obligation to study for each class every night. We recommend that for each course the student spend one-half hour every night. If a student is absent for more than two days he/she should contact the Guidance Counselor.

### E. Standardized Tests

Students at Cardinal Newman must take a series of standardized tests throughout their period of enrollment. For the 9th grade students, the Explore test is mandated; for 10th graders the PLAN/PACT is given; and the PSAT/NMSQT is

required for Juniors. The fees for these tests are included in the student registration fee. Other standardized tests or information about such tests may be obtained in the Guidance Office.

The 11th and 12th graders are encouraged to take the ACT and the SAT, for which they must register with the company and take on National Test Dates on Saturdays.

Advanced Placement tests are offered to students during the month of May. AP students are required to register for AP test through Guidance. There is a fee attached to AP courses to pay for AP test. **The fee for AP is \$90.00 per course.**

I. B. students in second year of the program will sit for tests in May.

## F. Dual Enrollment

Students interested in Dual Enrollment must work with the Guidance Department. The following area colleges offer opportunities for dual enrollment on their respective campuses.

1. **Palm Beach Community College** offers dual enrollment to students who have a 3.0 or higher GPA. Interested students must see their counselor. PBCC courses are taken on PBCC campus.
2. **Palm Beach Atlantic College:** see counselor
3. **Florida Atlantic University:** see counselor
4. We are presently in process of working with **St. Thomas University** for Dual Enrollment. More TBA

## G. Academic and Conduct Report Card Comments

1	Excellent Effort	5	Excellent Conduct
2	Satisfactory Effort	6	Satisfactory Conduct
3	Effort Needs Improvement	7	Conduct Needs Improvement
4	Unsatisfactory Effort	8	Unsatisfactory Conduct

## Report Card Grades and Numerical Equivalents:

A = 93 - 100	B- = 80 - 82	D+ = 67 - 69	Inc = Incomplete
A- = 90 - 92	C+ = 77 - 79	D = 63 - 66	Inc. F = Incomplete/Failure
B+ = 87 - 89	C = 73 - 76	D- = 60 - 62	S = Satisfactory
B = 83 - 86	C- = 70 - 72	F = 0 - 59 (Failure)	U = Unsatisfactory

## H. Final Averages

Semester grades are determined using the following formula: Quarter grade (40%), Quarter Grade (40%), Semester Exam (20%). Year-Long courses thus conclude with two semester grades.

## I. Honor Roll

The Honor roll is posted at the end of each quarter grading period. The Honor Roll is comprised of three levels of recognition based upon achievement.

### *Principal's List:*

Straight "A's" in all subjects

### *First Honors:*

3.5 GPA with no grade below a "B-"

### *Second Honors:*

3.0 GPA with no grade below a "B-"

Quality points are assigned as follows:

A = 4.0	A- = 3.67	B+ = 3.33	B = 3.0	B- = 2.67	C+ = 2.33
C = 2.0	C- = 1.67	D+ = 1.33	D = 1.0	D- = .67	F = 0

## **Class Rank**

Class rank is determined by the cumulative grade point average. In computing both honor roll and class rank averages, passing marks in honors classes receive additional weight: 1 quality point for Honors. AP,IB and Dual Enrollment receive an additional 2.0 quality points.

For the purpose of senior awards, including valedictorian and salutatorian, GPA, and class ranking are based on records of students who have been enrolled in Cardinal Newman since the beginning of sophomore year.

## **J. Academic Probation**

Students will be placed on Academic Probation in any quarter or semester they fail two or more classes and/or their quarter or semester average results in a 1.5 or lower Grade Point Average. Students who fail two or more courses in any semester and/or who are on Academic Probation for two consecutive quarters may be required to withdraw from Cardinal Newman High School.

# 2009-2010 Curriculum Guide

## **RELIGIOUS STUDIES**

### **COURSE DESCRIPTIONS**

#### **Introduction to the Bible (Old Testament) (0900400)**

+Grade Level: 9<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This course covers the Judeo-Christian heritage as expressed in the Old Testament. This course will cover the history of God's people from creation to election to covenant. It will also examine the Prophetic message.

#### **New Testament (0900410)**

+Grade Level: 9<sup>th</sup>  
+Credit Value: .05  
+Prerequisite:

This course examines and introduces the student to the message of Jesus as seen in the Gospel and lived in the early Christian community. This course will relate the Gospel message to the daily life of the student.

#### **Church History (2105300)**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This grade course covers the major developments in Church History. Emphasis is placed on people, concepts, and events that have shaped the church, culture and believing community.

#### **Sacraments/Liturgy**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This course provides a more mature understanding of Catholic worship. Topics covered include the Mass, sacraments, and individual and communal prayer. Practical experiences of the above will be emphasized in order that students will be able to express their relationship with God both privately and in union with other Catholics.

#### **Morality/Ethics (2107300) (Psychology)**

+Grade Level: 11<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This course promotes self-understanding in a Christian context and progressive moral and psychological development in daily life. Human growth and development, motivation, personality and behavior, conformity and alienation are some

of the topics viewed in the context of the Christian moral system.

#### **Social Justice (2108300) (Sociology)**

+Grade Level: 11<sup>th</sup>  
+Credit Value : 0.5  
+Prerequisite:

This course examines, in light of Jesus' vision of social justice, social classes, racial and ethnic groups, the handicapped, societal determinants, conflict and participation.

#### **World Religions (2105310)**

+Grade Level: 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This course introduces the student to the belief systems, cultures and religious traditions outside the Catholic tradition. The goal of this course is to give the student a better appreciation of his/her own faith as it relates to other major religions of the world. Topics will include (among others): Protestantism, Judaism, Islam and Buddhism.

#### **Social and Family Relationships (0800330)**

+Grade Level: 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This course provides basic biological, sociological, psychological, scientific, religious, and moral principles needed for sound, realistic and healthy Christian approaches to human relationships. Considerable time will be spent on interpersonal skills, family, peer, and social relationships, and preparation for marriage and raising a family within the context of the Christian community.

#### **Leadership Development (2400300)**

+Grade Level: 10, 11, 12  
+Credit Value: 0.5  
+Prerequisite: **Required** in place of one semester course for: SGA/Class Officers  
Club Presidents and Vice Presidents  
**Elective** - interview and approval of instructor

This course gives the student the opportunity to recognize and understand our vocation to minister to God's people in a leadership role. The specific ways that people can relate to one another are improved or enhanced by learning

skills taught in the course. Some topics include problems solving, listening/responding, time management, and group facilitation. The class includes a practicum where what is learned in class is implemented in the community. **Required** in place of one semester of required Religion course for Grade 10, 11, and 12 Student Government officers, class officers, and Presidents and Vice Presidents of clubs.

### **Community Service (0500360)**

+Grade Level: 9-12

+Credit Value: (0.5 credit upon completion of this four-year program)

+Prerequisite:

The community service program is designed to enrich the lives of our students and the communities in which they live. Through successful completion of the program, the student provides help to others and gains experience through working with a wide variety of non-profit organizations. All students must complete 25 hours of community service per year (100 hours for a student at CNHS four years) with passing evaluations in order to satisfy the requirements needed to graduate. The guidelines and requirements of program are in our Community Service Handbook, provided to each student during the first academic quarter of each year.

### **Theory of Knowledge (TOK Handbook) (0900800)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 0.5 -11<sup>th</sup> & 0.5 12<sup>th</sup>

+Prerequisite: Admission to the IB Diploma Programme, or (as an elective) recommendation of current Religion teacher and permission of instructor.

The Theory of Knowledge course is designed to “challenge students to reflect critically on diverse ways of knowing and areas of knowledge, and to consider the role which knowledge plays in a global society. It encourages students to become aware of themselves as thinkers, to become aware of the complexity of knowledge, and to recognize the need to act responsibly in an increasingly interconnected world.” (ToK Handbook)

The course is designed to “cap” the IB curriculum by providing the students with an opportunity for interdisciplinary reflection. As the course combines new information with critical thinking, it is imperative that the student use these resources to explore the origins and limitations of what they already learned in their other courses. The first half of the course is scheduled during second semester of junior year; the second half, during first semester of senior year.

Completion of this course is required for the IB diploma. In addition to the academic content and class discussions, two major essays are required and the student’s grade on these essays counts toward the IB diploma. Teacher assessment includes class participation, short essays, and examinations.

# ***ENGLISH STUDIES***

## **COURSE OUTLINES**

### **English I (1001310)**

+Grade Level: 9<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:

This course includes vocabulary development, the fundamental skills of English grammar, the composition of unified paragraphs, and the composition of extended essays. Students are introduced to various literary genres (short stories, novels, non-fiction, poetry, and drama). The arrangement and use of the media center is taught in conjunction with the library staff.

### **English I Honors (1001320)**

+Grade Level: 9<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:  
+Note: 7<sup>th</sup> & 8<sup>th</sup> grade performance in English/Cardinal Newman Placement Exam and teacher recommendation.

This course includes material in the regular English I course. In addition, emphasis is placed on expository and creative writing, stresses structure, appropriate sentence variety, oral presentations, and additional reading.

### **English II (1001340)**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:

Designed to reinforce vocabulary and grammar skills introduced at the freshman level, this course also offers varied techniques for the development of reading skills. In addition, it strongly emphasizes composition skills, especially those needed for the extended essay. Throughout the year students examine and analyze universal themes evident in world literature.

### **English II Honors (1001350)**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite: Recommendation of present English teacher

This course includes the material in the regular English II course. The subject matter is studied in greater depth and supplementary reading is required. In addition, the students write reports requiring documentation, bibliography, and the limitation of a topic.

### **English III (1001370)**

+Grade Level: 11<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:

This course examines the development and evolution of the literature of America. Students study major literary movements and critically analyze major works in all genres. Vocabulary study is also included as a means of improving word knowledge and usage. Research skills and the techniques of writing research papers are taught and practiced throughout the year.

### **Advanced Placement English III (1001420) (Language AP & Comp)**

+Grade Level: 11<sup>th</sup>  
+Credit Value : 1.0  
+Prerequisite: Recommendation of present English teacher

This course is designed to challenge advanced students by acceleration of course content. The subject matter includes that of the regular English III course plus additional literary works and a greater emphasis on writing. Students are encouraged to take the Advanced Placement Examination in language and composition for college credit.

### **English IV (1001400)**

+Grade Level: 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:

Students in this course participate in a critical study of the origins and development of English language and British literature. Major writers and their works are analyzed. Instruction in formal essay writing is stressed along with the mechanics of language usage. Vocabulary growth is an integral part of this course.

### **Advanced Placement English IV (1001430) (English Lit AP and Comp)**

+Grade Level: 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite: Recommendation of English Teacher

This course includes the material in the Regular English IV course. The subject matter is presented in greater depth, supplementary works are added, and more writing is assigned. A first-semester examination is required; however, at the conclusion of the second semester, a research paper takes the place of the semester exam. Students may take the Advanced Placement Examination in literature and composition for college credit.

**IB Language AI at the higher level is a two-year, four semester curriculum encompassing intensive study of English language and World literature in the junior and senior years.**

### **IB English III (Language AI (Higher Level) (1001820)**

#### **First Semester: Part IV: Free Choice**

+Grade Level: 11<sup>th</sup>

+Credit Value: 0.5 (semester)

+Prerequisite: IB Diploma Programme acceptance

Major works of world authors with emphasis on North American Literature, culminating in a 15 minute individual oral presentation which is internally assessed for content, as well as presentation and communication skills. Instruction will include oral reading practice and introduction of public speaking techniques.

Candidates' writing skills will be addressed, with emphasis on defining and organizing concepts, comparing and contrasting literary techniques in different works, and developing sentence variety, clarity and economy. Formal essays will address theme, style, and tone among other aspects.

### **IB ENGLISH III (Language AI (Higher Level) (1001820)**

#### **Second semester: Part 1: World Literature**

+Grade Level: 11<sup>th</sup>

+Credit Value: 0.5 credit (semester)

+Prerequisite: IB Diploma Programme acceptance

Two novelettes, a play, and a novel will be used to introduce candidates to a range of literary works of different periods, genres, styles, and contexts, to broaden candidates' perspectives through the study of works from other cultures and languages, and to introduce candidates to ways of approaching and studying literature, leading to an understanding and appreciation of the relationships between works. Assessment will be two externally assessed papers: A mandatory comparative study of two works and a choice of a second comparative study, an imaginative assignment, or a detailed study. Methods of instruction will include cultural and historical background information, class discussion of a close analysis of each work, discussion of the approach to audience in staging and performance of a play, and the development of written argument with attention to vocabulary, syntax, grammar, and style.

### **IB English IV (Language AI (Higher Level) (1001830)**

#### **First Semester: Part II Detailed Study**

+Grade Level: 12<sup>th</sup>

+Credit Value: 0.5 credit (semester)

+Prerequisite: IB Diploma Programme acceptance

Major works of British literature will be used to teach the close reading of literary texts, culminating in the 15 minute individual commentary which is internally assessed but externally moderated.

Content will be organized chronologically, beginning with Chaucer's *Prologue to the Canterbury Tales* and three of the tales themselves. We will spend the better part of a quarter with *Hamlet*, continue with the 18<sup>th</sup> century essays of Addison and Steele and conclude with Virginia Woolf's *To the Lighthouse*. Throughout, we'll emphasize how various international influences contributed to the developing English language and literature. Methods of instruction will include oral readings and discussion, performance of selected scenes from the play, extensive writing concentrating on passage analysis including poetic devices and diction, structure, and character development, and oral presentations done singly or in groups.

### **IB English IV (Language AI (Higher Level) (1001830)**

#### **Second Semester: Part III Groups of Works (Novels)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 0.5 credit (semester)

+Prerequisite: IB Diploma Programme acceptance

Four novels will be used to teach varieties of narrative technique used in two centuries and over four cultures as well as to explore common themes involving the role of the individual in relationship to the family and the greater society. Each novel is distinguished for its groundbreaking experimentation with form and content. The World Literature selection, Chinua Achebe's *Things Fall Apart*, although written in English, represents the only instance of a work of an African author in the overall curriculum. Methods of instruction will include class discussion, and extensive work in the development of a sound written argument with attention to vocabulary, syntax, grammar, and style. Papers will be written, workshopped, and rewritten. Historical and cultural context will be considered for each work. Comparisons among Bronte's Yorkshire, Joyce's Dublin, Conrad's Congo and Achebe's Igboland will reinforce universal themes, while expanding our horizons beyond our own cultural milieu.

### **Contemporary Literature (1005330)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisite:

+Note: Open to students in Regular & AP English

This course is designed to help students who enjoy reading to explore the major themes and techniques of late 20<sup>th</sup> century literature and to

respond orally and in formal writing. The course will include the reading and analysis of contemporary fiction, poetry, drama, and nonfiction.

### **Creative Writing (1009320)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisite:

+Note: Open to Juniors and Seniors

Creative Writing is designed to help students develop creative expression of their own ideas through the study of published creative works and the writing of both specific and open exercises. Content may include, but is not limited to, the development of original poetry, short stories, one-act plays, satires, and/or a novelette. The course may also include, as determined by student interest, technical aspects of publishing students' works in outside literary publications.

### **Creative Writing II (1009330)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

Credit Value: 0.5

Prerequisite: Creative Writing I

Permission of the instructor

Creating Writing II is open to students who have shown superior ability in Creative Writing I and who wish to develop their writing skills while completing one or more major writing projects.

# ***LEARNING STRATEGIES***

## **COURSE OUTLINES**

**These courses are offered for students who have difficulty with the traditional curriculum. This may be due to learning differences and/or a weak background in the skills of reading, writing, listening and math. Students taking Learning Strategies I and II postpone the foreign language requirement, with departmental permission.**

### **Learning Strategies I (1000420)**

+Grade Level: 9

+Credit Value: 1.0

+Prerequisite: Permission of instructor

+Fee: \$300.00

The purpose of this course is to provide resources to improve skills in listening, study, speaking, composition, and reading. Taking effective notes, expressing ideas clearly, textual evaluation and organization will form integral parts of the course. Students are also given assistance in developing their math skills. These skills are tailored to the math course they are currently enrolled in, as far as possible.

### **Learning Strategies II , III, IV (1000420)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Learning Strategies I or Permission of Instructor

+Fee: 300:00

The purpose of this course is to provide resources to improve skills in listening, studying, speaking, composing essays, and reading. Taking effective notes, expressing ideas clearly, evaluating and utilizing texts efficiently, and time management are integral parts of the course. This course is open to 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> students who have experienced learning difficulties in a mainstreamed setting, and who have successfully completed Learning Strategies I or who have been admitted at the discretion of the instructor. Students are also given assistance in developing their math skills. These skills are tailored to the math course they are currently enrolled in, as far as possible.

# ***SOCIAL STUDIES***

## **COURSE OUTLINES**

### **Eastern & Western Civilizations (2100370)**

+Grade Level: 9th  
+Credit Value: 1.0  
+Prerequisite:

This course is a chronological and topical study of civilizations. It traces the development of Eastern, Middle Eastern, African, Meso-American and European civilizations. After an examination of the history of early civilizations and their similarities and dissimilarities, the students focus their attention on four classic civilizations, tracing the development of intellectual, religious, social, political and economic patterns from their beginning to the conclusion of the Industrial Revolution.

### **Eastern & Western Civilizations Honors (2100460)**

+Grade Level: 9th  
+Credit Value: 1.0  
+Prerequisite: Placement by Department Chairperson

This course covers the same content as Eastern & Western Civilizations, but is designed to teach students analytical and writing skills necessary for the Advanced Placement United States history course in Sophomore and the IB History of the Americas in the Junior years. Students taking this course will receive honors credit.

### **United States History to 1900 (2100380)**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:

This survey course covers the history of the United States from the period of European exploration to 1900. The first semester opens with the European discovery and concludes at the beginning of the Age of Jackson. The second semester begins with the Age of Jackson and concludes with the Progressive Era. This course emphasizes the political, social, and economic history of the past as it relates to the present.

### **Advanced Placement United States History to 1900 (2100330)**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite: Teacher recommendation plus a "C" or better in E&W Civilizations Honors together with "B" in Honors English or "A" in Regular English

**or**

Teacher recommendation plus "A" in East & West Civilizations and "B" in Honors English or "A" in Regular English

The Advanced Placement Program in American History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials of American History from the colonial period to the

1900's (U.S. History from 1900 to the present is covered in the Junior year). All 10<sup>th</sup> grade students taking this course will receive Honors credit. The course is also designed for the students to take advantage of the Advanced Placement Test which may be taken in May of their Junior year. Those who take the test and achieve the required score may earn from three to six hours of college credit. The A.P. Test, however, is optional.

### **Twentieth Century History (2100390)**

+Grade Level: 11<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite:

This course is a continuation of Eastern & Western Civilizations and United States History to 1900. The first quarter focuses on eastern and western civilizations from 1850 to 1900. The remainder of the course continues eastern and western civilization and United States History in a study of the twentieth century, emphasizing United States History in a global context.

### **Advanced Placement United States History (2100480)**

+Grade Level: 11<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite: AP US History to 1900 teacher recommendation and "A" in regular English or "B" in honors English

This course continues Eastern & Western Civilizations and United States History in a study of the twentieth century, emphasizing United States History in a global context. All eleventh grade students taking this course will receive Honors credit. This course is designed for the students to take advantage of the Advanced Placement Test in May which can lead to, for those who achieve the required score, from three to six hours of college credit. The A.P. Test, however, is optional.

### **American Government (2106310)**

+Grade Level: 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisite:

This required senior one semester course will examine American government at the national level. Politics, government institutions and current problems will also be studied as they relate to the study of government.

## **Economics (2102310)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisite:

This course, required of seniors, introduces microeconomics, or the study of the individual business firm, and macroeconomics, or the study of the economy as a whole.

## **Advanced Placement Microeconomics (2102360)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisite: Grade of "B" or better in Algebra I and "B+" in English or "B" in Honors English

The purpose of the Advanced Placement course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of the individual decision-makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will receive honors credit and will have the option of taking the Advanced Placement Exam in May. A successful score on the A.P. test will lead to three hours of college credit. Admission to this course is based on the recommendation of the A.P. teacher.

## **History of the Americas I (HL) (2100800)**

+Grade Level: 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Admission to the IB Diploma Programme

This is a comparative course which integrates the history of the United States, Canada, and Latin America. This junior level course will concentrate on the period from 1900-1992. It is designed to promote an awareness of the countries in the Western Hemisphere.

## **History of the Americas II (HL) International History (2100490)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Open to Seniors who have completed History of the Americas I.

This course is a continuation of the History of the Americas I HL for Juniors. The first semester will analyze major events of the first half of the 20<sup>th</sup> century with a focus on World War I, the Russian Revolution, and the rise of fascism. The second semester will focus on the major developments of the second half of the 20<sup>th</sup> century with emphasis on causes, events, and effects of World War II, the Cold War, and the Arab-Israeli conflict.

## ***FOREIGN LANGUAGE STUDIES***

The Department of Foreign Languages offers studies in two disciplines: Spanish and French. Native speakers of French or Spanish are most strongly encouraged to study the other foreign language. Such students, as well as those who have previously studied French or Spanish and have not received high school credit, must take the Language Placement Test to assure proper placement (usually in the second level). Two consecutive years of the same language (French or Spanish) are required for graduation. All students pursuing a foreign language for a third or fourth year must meet the stated prerequisites for each course. Students in the Learning Strategies Class are not advised to take a Foreign Language until their junior year. Computer programs and audio-visual materials enhance student learning in all levels of all language classes at Cardinal Newman.

### **COURSE OUTLINES**

#### **Spanish I (0708340)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite:

This course is an introduction to the Spanish language. Students are expected to master the Spanish sound system and elementary grammar. Through an aural/oral approach, a basic command of the language and of the four skills (listening, speaking, reading, and writing) is developed with emphasis on communication skills. The student is exposed to Hispanic culture and everyday conversation through the use of audio-visual materials.

#### **Spanish I Honors (0708340)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite:

+Note: Consideration based on GPA in previous school, English performance on placement exam and recommendation of previous school

**This honors course is the first in a series of courses offered in preparation for the Advanced Placement class where college credit may be earned.** It is strongly suggested that this course be taken if the student is considering the IB Spanish B-I track. It includes the material in the regular Spanish I course. The grammatical concepts are studied in greater depth and there is more emphasis placed on oral communication, written essays and also on reading short literary selections. **Students do not need to know Spanish to be considered for this course.**

#### **Spanish II (0708350)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

Prerequisite: Placement Exam or high school credit.

Aural/Oral development of proficiency in the language is continued in this course with increased emphasis upon reading, writing, and communication skills. Basic grammatical concepts begun in the first year are completed. The student is exposed to Hispanic culture and everyday conversation through the use of audio-visual materials. (0708350)

#### **Spanish II Honors (0708350)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of the Spanish I teacher High school credit or Placement Exam

This honors course is the second in a series of courses offered in preparation for the Advanced Placement class where college credit may be earned. It is strongly suggested that this course be taken if the student is considering the IB Spanish B-I track. The grammatical concepts are studied in greater depth and there is more emphasis on oral communication and also in writing essays. Some short literary selections are studied.

#### **Spanish III (0708360)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of Spanish II teacher

At this level the grammatical concepts learned in the first two years are stressed. Emphasis is placed on improving the student's conversational skill by learning how to communicate in typical daily-life situations. Brief compositions will be written on related topics. A broader vocabulary will be acquired. The culture of Spanish speaking countries is studied through the use of literature, videos, music, art, and special reports.

#### **Spanish III Honors (0708360)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of Spanish II teacher

This honors class is the third and last course offered in preparation for the AP Spanish Language Exam. It is strongly suggested that this course be taken if the student is considering the IB Spanish B-I track. This course includes the material in the regular Spanish III course. The grammatical concepts are studied in greater depth, and supplementary reading is required. In addition, there is greater emphasis on oral communication, writing and translations. This course is conducted in the target language as much as possible.

## **Spanish IV (0708370)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

Credit Value: 1.0

+Prerequisite: Recommendation of Spanish III teacher

The objectives of this course are to provide the student with an opportunity to make use of the grammatical concepts and vocabulary learned at the previous levels and to learn new ones. Reading, composition, and conversation are stressed. The culture of the Spanish speaking countries is studied through the use of literature, films, videos, music, art, and special reports.

## **Advanced Placement Spanish (0708370)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of Spanish IIIH or IV teacher

This course emphasizes composing expository passages and the comprehension of form and informal spoken and written Spanish, as well as expressing ideas orally with accuracy and fluency. A secondary focus will include a strengthening of overall grammar skills. Students are encouraged to take the Advanced Placement Examination in the Spanish Language. College credit may be obtained for this course by a successful grade on the AP Spanish Language Exam.

## **IB Spanish B-I (SL) (0708400)**

+Grade Level: 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Spanish II, Honors Spanish II, Spanish III or Honors Spanish III and acceptance to the IB Programme

This course focuses on reviewing and expanding skills taught in the previous two years to prepare students for IB Spanish-II, SL (12<sup>th</sup> grade) and the Standard Level B evaluations. Emphasis is placed on improving students' speaking, reading, writing and listening skills through the use of authentic materials in the target language. Written compositions, summaries, prepared and impromptu speaking exercises, comprehension and discussion of written and oral activities are given on related topics. Culture of the Spanish speaking world is incorporated through the use of videos, music, art, authentic texts from magazines, newspapers, and selected literary works. This class will specifically address the three in integrated components of the IB program: Language, Texts and Cultural Awareness.

## **IB Spanish B-II (SL) (0708830)**

+Grade Level: 12<sup>th</sup>

+Credit Value

+Prerequisite: IB Spanish B-I (SL)

This course focuses on refining previously acquired grammatical structures and conversational skills in the target language as a base for an appreciation of the subtleties of the Spanish language and in preparation for Standard Level Spanish B evaluations. Speaking, listening, reading and writing skills are practiced and expanded through the use of authentic materials in the target language. This includes but is not limited to: written compositions and summaries, prepared and impromptu situations, comprehension and discussion of written and oral materials. The culture of the Spanish speaking world is incorporated through the use of videos, music, art, and authentic texts from magazines, newspapers and

selected literary works. This class will specifically address the three integrated components of the IB program: Language, Texts and Cultural Awareness.

## **French I (0701320)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite:

In this course, the study of the French language is introduced through the media of text, tapes, video disks, and workbooks. An aural/oral approach emphasizes the development of correct sound patterns. Basic grammatical structures are presented in a framework of French culture.

## **French I Honors (0701320)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite:

+Note: Entrance based on prior grades, English performance on CNHS placement test and previous school recommendation.

In this course, the study of the French language is introduced through the media of text, videos, tapes, computer programs and a workbook. An aural-oral approach emphasizes the development of correct sound patterns. Basic grammatical structures are presented in a framework of French culture. In addition, literary selections will be integrated into this course from a supplementary reader. **This course is the first in a series of courses leading to the Advanced Placement Course or IB French I where college credit may be earned. It is strongly suggested that this course be taken if a student is considering IB French B-I track.** Students do not need previous knowledge of French to be considered for this course.

## **French II (0701330)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Placement Exam or high school credit

This discipline is a continuing development of the aural/oral approach combining the four skills of comprehension, speech, reading and writing. Emphasis is placed on the attainment of structural skills through conversation, dictation, tape reinforcement, and computer programs.

## **French II Honors (0701330)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of French I teacher, high school credit or Placement Exam

This course includes the material in the regular French II course. Grammatical concepts are studied in greater depth with more emphasis on oral communication and writing essays. Short literary selections are studied and discussed. Skills are enhanced through the use of conversation and tape enforcement. **This honors course is the second in a series of courses offered in preparation for the Advanced Placement course or IB French I where college credit may be earned. It is strongly suggested that this course be taken if student is considering IB French B-I track.**

## **French III (0701340)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of French II teacher or high school credit.

This course is conducted as nearly as possible in the target language. The student continues to develop skill in the areas of listening, speaking, reading and writing. Grammar in the text and workbook incorporates a review of all the principles taught in the first two levels as well as new grammatical material. Emphasis is placed on comprehension of the spoken language through the use of listening tapes,, videos, computer programs,, and the reading of various literary selections. Cultural activities are integrated through scheduled field trips to French plays, museums, etc. thus enhancing the total comprehension of language study.

## **French III Honors (0701340)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of French II teacher

This course is conducted entirely in French. The student continues to develop skill in the areas of listening, speaking, reading, and writing. All grammatical principles taught during the first two years are reviewed, as well as, new material introduced. Emphasis is placed on comprehension of the spoken language through the use of listening tapes, dictation and conversation. Selected literary works and magazine articles are read and discussed in French. Cultural activities are integrated through scheduled field trips to French plays, museums, etc. thus enhancing total comprehension of the French language. **This class is the third and last course in preparation for the Advanced Placement Course of IB French I where college credit may be earned. It is strongly suggested that this course be taken if the student is considering IB French B-I track.**

## **French IV (0701350)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: Recommendation of French III teacher

The objectives of this course are to provide the student with an opportunity to make use of grammatical concepts and vocabulary learned at previous levels and to learn new ones. Reading, composition and conversation are stressed. The culture of the French-speaking countries is studied through the use of literature, films, reports and field trips to French plays.

## **Advanced Placement French (0701380)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Recommendation of French IIIH teacher

This class is conducted entirely in French and involves the refining of all skills and principles taught from previous years. Emphasis is on composing expository passages and the comprehension of formal and informal spoken French through the use of listening tapes and conversation. Selected French literary selections, newspaper and magazine articles are read and content is discussed in French. Students will prepare for the Advanced Placement Examination in French through simulated A.P. tests and testing conditions.

## **IB French B-I (SL) (0901820)**

+Grade Level: 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisite: H French II, French II, H French III or French III and acceptance to the IB Programme.

This course focuses on reviewing and expanding skills taught in the previous two years to prepare students for IB French B-II, SL (12<sup>th</sup> grade) and the Standard Level B evaluations. Emphasis is placed on improving students' speaking, reading, writing and listening skills through the use of authentic materials in the target language. Written compositions, summaries, prepared and impromptu speaking exercises, comprehension and discussion of written and oral activities are given on related topics. Culture of the French-speaking world is incorporated through the use of videos, music, art, authentic texts from magazines, newspapers and selected literary works. This class will specifically address the three integrated components of the IB program: Language, Texts and Cultural Awareness.

## **IB French B-II (SL) (0701830)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: IB French B-I (SL)

This course focuses on refining previously acquired grammatical structures and conversational skills in the target language as a base for an appreciation of the subtleties of the French language and in preparation for Standard Level French B evaluations. Speaking, listening, reading and writing skills are practiced and expanded through the use of authentic materials in the target language. This includes but is not limited to: written compositions and summaries, prepared and impromptu situations, comprehension and discussion of written and oral materials. The culture of the French speaking world is incorporated through the use of videos, music, art, and authentic texts from magazines, newspapers and selected literary works. This class will specifically address the three integrated components of the IB program: Language, Texts and Cultural Awareness.

# ***MATHEMATICS STUDIES***

## **COURSE OUTLINE**

**It is incumbent upon the student and the parent to check with any prospective college/university to verify that a specific course meets the admission requirements of that institution.**

### **Algebra I (1200310)**

+Grade Level: 9<sup>th</sup>

+Credit Value: 1.0

+Prerequisites:

+Note: Performance in 7<sup>th</sup> & 8<sup>th</sup> grades mathematics, Placement Examination and teacher recommendation

This course places emphasis on the structure and use of modern algebra. Specific areas of study include the language of algebra, real numbers, systems of equations and inequalities, polynomials, factoring, graphs, and problem solving, and an introduction to irrational numbers.

### **Algebra IB (1200380)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites:

This course is a continuation of Algebra IA.

### **Geometry (1206310)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Algebra I and teacher recommendation

The traditional topics of Euclidean Geometry are used as a basis for teaching formal deductive reasoning. Congruence, similarity, the properties of polygons, parallel and perpendicular lines, and circles are the basic manipulative ideas mastered in this course. If time allows, an introduction to trigonometry will be presented.

### **Honors Geometry (12006320)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: H Algebra I or Algebra I and teacher recommendation. Students must have at least an A- in Algebra I and a 90% score or better on the current year's standardized math test.

The topics in this course are the same as in regular Geometry, but the material is covered in greater depth.

### **Algebra II (1200330)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: C- or above in Algebra I or Geometry, along with teacher recommendation

Topics for this course include solving linear and quadratic equations, factoring, simplifying polynomial expressions, quadratic functions, radicals, logarithms, complex numbers and the basic fundamentals of trigonometry.

### **Honors Algebra II (1200340)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Algebra I (Regular or Honors), Geometry (Regular or Honors), along with teacher recommendation. Students must have at least a B in H Geometry and H Algebra I or an A- in regular Geometry and Algebra I. In addition, students must receive an 85% (or better) score on current year's standardized math test.

A TI-83 or 84 Plus Graphing Calculator is required.

This course presents an in-depth study of the structure of algebra with emphasis on theory, proof and development of formulas and their applications. Topics will include polynomial and rational expressions, functions, relations, exponents, logarithms, complex numbers, conic sections, sequences, series, probability theory and matrices.

### **Integrated Mathematics III (1207330)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

Prerequisites: Geometry and Algebra II

A TI-83 or 84 Plus Graphing Calculator is required

The purpose of this course is to develop the advanced algebraic and geometric concepts and processes that can be used to solve a variety of real-world and mathematical problems.

### **Pre-Calculus (1202340)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Algebra II with B - or higher and teacher recommendation

A TI-83 or 84 Plus Graphing Calculator is required.

The purpose of this course is to pursue the study of functions and other skills necessary for the study of calculus. Contents include polynomial, rational, exponential, inverse, logarithmic and circular functions, introduction to matrices, sequences and series, mathematical induction, vectors and theory of limits. A complete study of trigonometry is included.

### **Honors Pre-Calculus (1202340)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: H Algebra II or Algebra II with teacher recommendation. Students must have at least a B in H Algebra II or an A- in regular Algebra II. In addition, students must receive an 85% (or better) score on current year's standardized math test.

A TI-83 or 84 Plus Graphing calculator is required.  
The aim of this course is to prepare students for calculus.  
Contents include, but not limited to, polynomials, rational exponentials, inverse, logarithmic and circular functions, matrix algebra, sequences and series, mathematical induction, vectors, theory of limits, conic sections and polar coordinates. A complete study of trigonometry is included.

### **Probability and Statistics with Applications (1210300)**

+Grade Level: 12<sup>th</sup> only

+Credit Value: 1.0

+Prerequisites: Pre-Calculus or H Pre-Calculus or a B or above in Algebra II or H Algebra II

A TI-83 or 84 plus Graphing calculator is required.  
The purpose of this course is to explore descriptive and inferential statistics including the concepts of probability. Topics will include frequency distributions and graphs; measures of central tendency, position and variation; counting techniques including permutations and combinations; classical and empirical probability; discrete probability distributions; normal distributions; confidence intervals; hypothesis testing; testing the differences between means, variances, and proportions; correlation and regression; chi-square testing, variance analysis, non-parametric statistics; and sampling and simulation.

### **Advanced Placement Calculus AB (1202310)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: H Pre-Calculus with at least an A- with teacher recommendation

A TI-83 or 84 Plus Graphing Calculator is required  
The purpose is to study elementary functions and the general theory and techniques of calculus. Content will include but not be limited to Advanced Placement curriculum: properties of functions, application concept of limits to functions, finding derivatives of algebraic, trigonometric, exponential and logarithmic functions, inverse functions, defining relationships between differentiability and continuity, applying derivatives, finding antiderivatives, using techniques of integrations, applying integration techniques to find the area under a curve, distance along a curve and volume of a solid of revolution are the main topics presented.

### **Calculus (1202300)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: H Pre-Calculus with at least a B+ or Pre-Calculus with an A and current teacher recommendation

A TI-83 or 84 Plus Graphing Calculator is required  
The purpose of this course is to provide a foundation for the study of advanced mathematics. The content will include the following: elementary functions, limits and continuity, derivatives, differentiation, antiderivatives, the definite integral and applications of the integral.

### **IB Mathematics Standard Level - Year One (1206800 + 1211800)**

+Grade Level: 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Admission to the International Baccalaureate Diploma Program

This course caters to students who already possess knowledge of basic mathematical concepts, and who are equipped with skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. Topics covered include: Calculus, Review.

External Assessments will consist of the two Written Papers, each is one and a half hours in duration and each counts 40% towards the final grade. Paper I consists of short response questions and Paper II consists of extended response questions. Written papers are graded by the IBO. The Internal Assessment consists of two Portfolio projects, one during the first year and one during the second year. These are graded by both the teacher and the IBO. One will be a mathematical investigation and one will be mathematical modeling.

### **IB Mathematics Standard Level - Year Two (1202800)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Successful completion of first year Mathematics SL.

This course caters to students who already possess knowledge of basic mathematical concepts, and who are equipped with skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. Topics covered include: Calculus, Review.

External Assessments will consist of the two Written Papers, each one and one half hours in duration and each counts 40% towards the final grade. Paper I consists of short response questions and Paper II consists of extended response questions. The Written Papers are graded by the IBO. The Internal Assessment consists of two Portfolio projects, one during the first year and one during the senior year. These are graded by both the teacher and the IBO. One will be a mathematical investigation and one will be mathematical modeling.

## MATHEMATICS DEPARTMENT PREREQUISITES

Students Currently Enrolled in . . .	. . . have the option to take . . . .
Algebra 1A	Algebra 1B
Algebra 1B	Geometry
Algebra I	<b>Geometry Honors:</b> If student's average is $\geq$ A- in Algebra I, plus a score $\geq$ 85% on current year's standardized math test, and teacher recommendation. <b>Geometry:</b> If student's grade does not reflect above.
Geometry	<b>Algebra II Honors:</b> If student's average is $\geq$ A- in Algebra I and Geometry, plus a score $\geq$ 85% on current year's standardized math test, and teacher recommendation. <b>Algebra II:</b> If student's grade does not reflect above.
Geometry Honors	<b>Algebra II Honors:</b> If student's average is $\geq$ B in Algebra I Honors and Geometry Honors plus teacher recommendation. <b>Algebra II:</b> If student's grade does not reflect above.
Algebra II	<b>IB Math Standard Level – Year One:</b> If student is accepted into the International Baccalaureate Diploma Programme. <b>Honors Pre Calculus:</b> If student's average is $\geq$ A- in Algebra II, plus a score $\geq$ 85% on current year's standardized math test, and teacher recommendation. <b>Pre Calculus:</b> If student's average is $\geq$ B- in Algebra II plus teacher recommendation. <b>Integrated Math III:</b> If student's grade does not reflect above. <b>Probability &amp; Statistics: (SENIORS ONLY)</b> If student's average is $\geq$ B- in Algebra II plus teacher recommendation.
Algebra II Honors	<b>IB Math Standard Level – Year One:</b> If student is accepted into the International Baccalaureate Diploma Programme. <b>Honors Pre Calculus:</b> If student's average is $\geq$ B in Algebra II Honors, plus a score $\geq$ 85% on current year's standardized math test, and teacher recommendation. <b>Pre Calculus:</b> If student's average is $\geq$ C in Algebra II Honors plus teacher recommendation. <b>Integrated Math III:</b> If student's grade does not reflect above. <b>Probability &amp; Statistics: (SENIORS ONLY)</b> If student's average is $\geq$ B in Algebra II plus teacher recommendation.
Integrated Math III	Pre Calculus
Pre Calculus	<b>IB Math Standard Level – Year One:</b> If student is currently a SOPHOMORE and accepted into the International Baccalaureate Diploma Programme. <b>Probability &amp; Statistics</b> <b>Calculus:</b> If student's average is $>$ A and teacher recommendation.
Honors Pre Calculus	<b>IB Math Standard Level – Year One:</b> If student is currently a SOPHOMORE and accepted into the International Baccalaureate Diploma Programme. <b>AP Calculus:</b> If student's average is $\geq$ A- and teacher recommendation. <b>Calculus:</b> If student's average is $\geq$ B+ and teacher recommendation. <b>Probability &amp; Statistics:</b> If student's grade does not reflect above.
IB Math Standard Level – 1 <sup>st</sup> year	<b>IB Math Standard Level – Year Two:</b> If student successfully completes the first year Mathematics SL.
IB Math Standard Level – 2 <sup>nd</sup> year	<b>AP Calculus:</b> If student's average is $\geq$ B and teacher recommendation. <b>Calculus:</b> If student's average is $\geq$ B- and teacher recommendation. <b>Probability &amp; Statistics:</b> If student's grade does not reflect above.

Any student that does not fit in any of the above criteria needs to be placed by the Math Department Chair.

# ***SCIENCE STUDIES***

## **COURSE OUTLINES**

### **Integrated Science (2002400)**

+Grade Level: 9<sup>th</sup>

+Credit Value : 1.0

+Prerequisites:

+Fee: \$50.00

The purpose of this course is to provide opportunities to investigate the theories and ideas associated with the chemical, biological, earth, and physical sciences in a way which is relevant and useful. Students construct scientific knowledge by formulating questions, making predictions, experimentation, making observations, classifying, interpreting and analyzing data, drawing conclusions, and communicating these science ideas.. Some of the topics include the nature of science, the nature of matter, energy, force and motion, processes that shape the earth, earth and space, processes that shape the earth, earth and space, processes of life, and how living things react with their environment.

### **Biology (2000310)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites:

+Fee: \$50.00

Through a comparison of life systems the class studies a broad range of topics from protists, cell biology, molecular biology, homeostasis, Biology of viruses, protists and animal and plant laboratory dissections and experiments on living and preserved materials are an essential part of the course.

### **Biology Honors (2000320)**

+Grade Level: 10<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: A in Integrated Science with recommendation from current science teacher. Concurrent enrollment in H Geometry or higher is required. A ninth-grade student must place into H Biology on the science entrance exam.

+Fee: \$50.00

This course is designed for students planning to pursue an advanced science curriculum. Through a comparison of life systems the class studies a broad range of topics from protists, cell biology, molecular biology, homeostatis, viruses, and animal and plant laboratory experiments are an essential part of this course.

### **Chemistry (2003340)**

+Grade Level: 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Successfully completed Biology.

+Fee: \$50.00

This course provides a broad perspective of Chemistry. Emphasis is placed on developing a modern concept of the atom; discerning how atoms combine (including bonds, formulas, and equations); using and understanding the gas laws; and studying the behavior of solutions and reactions. In addition to lectures, calculations and laboratory experimentation are a component of the course.

### **Chemistry Honors (2003350)**

+Grade Level: 10<sup>th</sup> & 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: B or higher in H Biology or A in Biology and recommendation from current science teacher. Rising sophomores considering the IB program must be recommended by their Integrated Science teacher. Must be concurrently enrolled in Honors Algebra II or higher.

+Fee: \$50.00

Offered to Sophomores and Juniors who enjoy science and wish to continue a strong science curriculum. The course builds on previous knowledge of the atoms and chemical equations. Emphasis is placed on a modern concept of the atom; discerning how atoms combine; using and understanding the gas laws, studying the behavior of solutions and reactions; thermodynamics; and acid/base chemistry, nuclear and organix chemistry. In addition to lectures, major emphasis is placed on laboratory experimentation and extensive calculations.

### **Anatomy and Physiology (2000350)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Recommendation of current science teacher

+Fee: \$50.00

This year long course is designed for the student who wishes to pursue the study of science in college, pre-med, nursing, as well as for the student who has a profound interest in biology. The course provides exploratory and advanced activities in the structure and functions of the components of the human body, including cells and tissue, human body systems, diseases, and genetic disorders. Lab investigations and dissections are an integral part of this course.

### **Anatomy and Physiology Honors (2000360)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: B or higher in Honors Chemistry and Honors Biology or A in Biology and Chemistry and current science teacher recommendation

+Fee: \$50.00

This year-long course is designed for the student who wishes to pursue the study of science in college, pre-med, nursing, as well as for the student who has a profound interest in biology. This course provides exploratory and advanced activities in the structure and functions of the components of the human body, including cells and tissue, human body systems, diseases, and genetic disorders. Lab investigations and dissections are an integral part of this course. A research paper is required.

### **Marine Science (2002500)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Recommendation of current science teacher

+Fee: \$50.00

This is a full-year college preparatory course dealing with all aspects of marine science including oceanography, marine geology, marine biology, and comparative anatomy. The class will follow a lecture format with lab work, projects and presentations, dissection of marine organisms and, if feasible, field study activities.

### **Marine Science Honors (20022510)**

+Grade Level: 11 & 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Completion of current Honors Science course with a B or higher, or an A in current regular science course. Recommendation of current science teacher.

+Fee: \$50.00

This is a new course for the 2009-2010 school year. This is a full-year college preparatory course dealing with all aspects of marine science including oceanography, marine geology, marine biology and comparative anatomy. This course is an excellent introduction for students interested in pursuing marine science in college. The class will follow a lecture format with lab work, projects and presentations, dissection of marine organisms and if feasible, field-study activities. A student-generated group research project is required with the final project results and presentation due in Quarter 4.

### **Physics (2003380)**

+Grade Level: 12<sup>th</sup> only

+Credit Value: 1.0

+Prerequisites: Completion of Chemistry, recommendation of teacher and concurrent enrollment in Pre-Calculus or higher.

+Fee: \$50.00

A college preparatory course designed to give the physical laws of nature a scientific and mathematical perspective, this course integrates laboratory work and classroom topics to help students understand how the formulas of physics explain the laws of nature that they have come to accept as part of their lives. The first semester deals with mechanics and includes velocity, acceleration, vectors, force, gravity, energy and work. The second semester deals with electricity, waves, optics, and modern physics. The entire

curriculum is based on first presenting a new concept and then explaining the mathematical detail behind that concept.

### **Physics Honors (2003390)**

+Grade Level: 12<sup>th</sup> only

+Credit Value: 1.0

+Prerequisites: Currently enrolled in Calculus or higher. Completion of Honors Chemistry and current honors Science course with a B or higher, or an A in Chemistry and current regular science course.

Recommendation by Chemistry or current science teacher required.

+Fee: \$50.00

This course follows a similar course of study to that of Physics 2003380 but does so at a deeper level requiring more mathematical detail with more difficult problems. It is taught at a level similar to and requires as much work as an advanced placement class.

### **IB Biology II (2000810)**

+Grade Level: 11<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Admission to the International Baccalaureate Diploma Programme and completion of Integrated Science and Chemistry

The first year of the Higher Level International Baccalaureate Biology program focuses on cell biochemistry, metabolism, genetics, plant science and evolution. Heavy emphasis is placed in independent learning, experimental design, laboratory techniques, data processing and communication. A summative laboratory portfolio is required as well as definition and development of the Group 4 independent research project, which is completed at the end of the second year.

### **IB Biology III (2000820)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Completion of IB Biology II

The final year of the Higher Level International Baccalaureate Biology program, this course encompasses physiology, human health, disease physiology, reproduction, neurobiology and behavior. Strong emphasis is placed on independent learning, the use of technology, laboratory performance and communication. Designing, analyzing and evaluating all aspects of scientific investigation are mandatory for the completion of Group 4 independent research project in Spring. Summative laboratory portfolio exhibits will be submitted in March for external assessment and students will sit for IB examinations in May, in addition to those of Cardinal Newman High School.

# ***PHYSICAL EDUCATION STUDIES***

## **COURSE OUTLINES**

“Participation in an interscholastic sport at the Freshman, JV or Varsity level for 1 full season shall exempt the student athlete from the PE elective, as long as the student earned a grade of “C” or better in Personal Fitness. The course will be shown on the student’s transcript as ‘Physical Education Elective’ with “EX” for the grade (no “credit” is awarded.)”

All students participating in a physical education activity class must present a completed physical exam form during the first week of school. All exams must be dated after June 1 of the current school year. Failure to present a current exam prior to the class starting will result in loss of points in class.

The Physical Education Department is responsible for the sale and distribution of gym uniforms. Failure to dress out for physical education results in points deducted for that class.

The following courses are being offered by the Physical Education Department. Freshmen are required to take Health Opportunities through P.E. Prior to graduation, students are required to take one semester course of an activity class.

### **Health Opportunities through P.E. (3026010)**

+Grade Level: 9th  
+Credit Value: 1.0  
+Prerequisite:

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This is a one credit course offered over one year. This course provides students with opportunities to acquire the knowledge necessary to develop a personal fitness plan that includes both core concepts of health-related fitness as well as incorporating sound nutritional practices. Students will also recognize lifestyle diseases that result from a lack of lifetime fitness and well-ness. No single age group is more subject to avoidable health risks, and this course can help teens recognize and avoid these risks. Students will be subjected to various topics that are directly relevant to a teen during the adolescent years. Such subject areas will include, but are not limited to: substance abuse, teen sexuality and abstinence, making responsible decisions, mental and emotional health, healthy relationships and responsibility, disease prevention and control including communicable and non-communicable diseases. NOTE: Any student needing to take only one semester of the HOPE course (Hope Health or Hope Fitness) will be scheduled accordingly.

### **Personal Fitness (1501300)**

+Grade Level: Transfer 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites:

This course provides students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and the significance of life style on one's health and fitness. Content includes, but is not limited to, knowledge of the importance of physical fitness, assessment of the health related components of physical fitness, knowledge of health problems associated with inadequate fitness levels, knowledge and application of bio-mechanical and physiological principles to improve and maintain the health-related components of physical fitness, knowledge of psychological values of physical fitness including stress management, knowledge of sound nutritional practices related to physical fitness, and knowledge of consumer issues related to physical fitness.

### **Life Management (0800300)**

+Grade Level: Transfer 11<sup>th</sup> & 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites:

The purpose of this course is to help students adjust and adapt to the challenges of adolescence. No single age group is more subject to avoidable health risks, and this course can help teens recognize and avoid these risks. This course will provide information that meets the needs of today’s teens by focusing on health issues from an adolescent perspective. Topics include but are not limited to: making responsible decisions, mental and emotional health, relationships and responsibilities, preventing abusive relationships and violence, communicating effectively, suicide prevention, sexually transmitted diseases, and substance abuse.

### **Team Sports (1503360)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites: Completion of H.O.P.E.

The purpose of this course is to enable students to acquire knowledge of team sports play, to develop skills in selected team sports, to maintain and/or improve health-related fitness. Content includes: instruction in and practice of rules of play, sportsmanship, and team work. Team sports selected may include, but not be limited to, basketball, flag football, soccer, volleyball, softball, speedball and team handball. Strategies of team sports play, skill acquisition, and the maintenance and/or improvement of personal fitness will be stressed.

## **Individual and Dual Sports and Recreational Activities (1502420)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Completion of H. O. P. E.

+ Fees: \$2.00 bowling fee each time for lane use/equipment rental (approximately 10 times per semester)

The purpose of this course is to provide students with the opportunity to acquire basic knowledge and skills to understand and participate in a variety of life time activities. Content includes: instruction in and practice of basic skills technique, rules of play, etiquette, and history of each selected activity. Sports and activities include badminton, soft tennis (star ball), speedminton, pickleball, golf, bowling, and table tennis.

## **Beginning Weight Training (1501340)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Completion of Personal Fitness/Health Opportunities through P.E.

This course provides students with opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as in later life, improve muscular strength and endurance, and enhance body image. Content includes, but is not limited to, knowledge of the importance of muscular strength and endurance, assessment of muscular strength and endurance, knowledge of health problems associated with inadequate levels of muscular strength and endurance, knowledge of skeletal muscles, knowledge and application of training principles to improve and maintain strength and endurance, knowledge of sound nutritional practices related to weight training, knowledge of safety practices related to weight training, knowledge of consumer issues related to weight training.

## **Advanced Weight Training (1501360)**

+Grade Level: 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Completion of Personal Fitness/Health Opportunities through P.E. and Beginning Weight Training

The purpose of this course is to further extend the acquisition of knowledge and the development of skills in weight training for current and future physical fitness pursuits. Students will further improve muscular strength and endurance and enhance body image. Implementation of personal weight training programs and realizations of personal goals will be stressed. The content will include, but not be limited to, the reinforcement of basic knowledge, safety practices, design and implementation of a personal program, nutrition, and the organization and administration of weight lifting activities.

# **ARTS STUDIES - PERFORMING & PRACTICAL**

## **PRACTICAL ARTS**

### **COURSE OUTLINES**

All courses fulfill Practical Arts requirement.

#### **Computer Applications I (0200310)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

This course will provide students with a basic knowledge of computers. History, terminology and uses of computers will be presented. Students will be introduced to the Windows environment including word processing, spreadsheets, the Internet, web pages, presentation software, and have “hands-on” computer use in each of these areas. Students will use applications in Microsoft Office and other appropriate software.

#### **Desktop Publishing (0200310)**

+Grade Level: 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

This course will provide students with “hands-on” experience in desktop and website publishing. Students will have the opportunity to learn desktop publishing principles, for both areas using CS 3 & Dreamweaver, and to put these principles to use in developing various projects. Students will use Adobe InDesign CS 3. Some opportunities and experience will be available in Adobe Photoshop and Adobe Illustrator. Students will also use scanners and the Internet.

#### **Journalism Desktop Publishing (0200310)**

+Grade Level: 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Signature of the Arts Department Chairperson

This course is designed for the journalism student who is responsible for the desktop publishing of Newman publications and website. It is a continuation of the Desktop Publishing course. The course is available to junior students enrolled in Journalism: Yearbook/Newspaper Fundamentals and senior students approved by the Arts Department Chairperson and Journalism instructor. Limited enrollment.

#### **Information Technology in a Global Society I (0200890)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

This course allows students to develop the ability to explore and adapt new technological advances as tools for analysis. The interaction between information, technology, and

society forms the nucleus of this course. Content of the course will include: exploring and adapting of new technological advances as tools for analysis, use of modern information systems to process and analyze information, identification of various disciplines and perspective in evaluating and solving problems, identification and use of information tools such as the Internet to enhance and communicate ideas and facilitate life-long learning, understanding of the local and global impact of information technology and the potential of networking that is a regular part of a constantly changing society, use of new technologies as methods to enhance and expand our knowledge of the world and to meet the needs of society.

#### **Information Technology in a Global Society II (0100890)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Course Value: 0.5

+Prerequisites: Informal Technology in a Global Society I

This course will be a continuation of Information Technology in a Global Society I.

#### **Emerging Technology in Business (8207010)**

+Grade Level:

+Credit Value: 1.0

+Prerequisites:

This course is designed to teach emerging technology and the effects of its application on business. The content includes, but is not limited to, electronic research methods; business communications including speaking, listening, writing, and telecommunicating; multimedia presentation skills; ethical considerations related to technology; and emerging technologies affecting business environments. Instruction is designed to provide an understanding of the advances being made in technology today and in the future. Students will have practical opportunities to use a software program to basic accounting. The students will be exposed to, but not limited to, the Internet, Microsoft Office Programs, Corel Programs, Quick Books, HTML, and Photoshop.

#### **Applied Computer Technology Assistant/Independent Study (0200340)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Approval of Arts Department Chairperson

Limited Enrollment

This course is designed for the senior student who has an interest in computer science, is computer literate with keyboarding skills and is competent with a word

processor. Technological Assistants will assist with the maintenance of the computers, while developing a working knowledge of hardware and software. Students will learn to use a presentation software. The student will work independently under the direction of the computer science staff. Technological Assistants will develop skills in using all multimedia equipment. Students will have the option of competing in Computer Science programming competitions offered by the State of Florida and Palm Beach County Schools.

### **Emergent Computer Technical Assistant (0200340)**

+Grade Level: 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Approval of Arts Department Chairperson  
Limited enrollment

This course is designed for the senior student who has an interest in computer science, and is advanced in computer skills. Technological Assistants will assist with the maintenance of the computers therefore developing a working knowledge of the hardware and software. Technical Assistants will develop skills in all multimedia equipment. Students will have the option of competing in Computer Science programming competition. Students will use web design software and may have opportunity to work on the Newman website.

### **Journalism (I) (1006300)**

+Grade Level: 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Application, samples of work as requested and interview with the journalism teacher. Approval by journalism instructor and/or Fine Arts Department Chair.

This semester elective course is designed to teach students the fundamental principles and concepts of journalism. Through the production of the school newsletter and yearbook, this course provides opportunities for students to learn and to practice the skills needed to gather, write and edit news copy; photojournalism skills; and habits of responsibility. This course may be repeated.

### **Journalism (II) (1006310)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisite: Application, samples of work as requested and interview with the journalism teacher. Approval by journalism teacher and/or Fine Arts Department Chair.

This semester course is designed to teach students the principles and concepts of yearbook design, layout, and production. Through the productions of both the school newsletter and yearbook, this course provides opportunities for students to learn and to practice the skills needed to gather, write and edit news copy, photojournalism skills; advertising techniques; and habits of responsibility. This course may be repeated.

## ***FINE ARTS***

### **COURSE OUTLINES**

All courses fulfill the Performing Arts requirement.

#### **Speech I (1007300)**

+Grade Level: 10<sup>th</sup>  
+Credit Value: 0.5

Speech I is an introductory course in the art of successful public speaking. The student is offered knowledge about the effective preparation, organization, and presentation of a formal speech. Additionally, the student is offered training in listening and is encouraged to develop skills in giving and receiving constructive criticism. This course is required of sophomores not enrolled in Band.

#### **Speech/Debate Team (1007330)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites: permission of Debate Team coach and instructor

The purpose of this course is to further develop the speech and debate skills specifically for those students signed up for and actively participating in the Cardinal Newman High School debate team. The class will focus on those skills for researching, preparing, and participating in the various events provided by the *Catholic Forensic League (CFL)*, the *Palm Beach County Catholic Forensic League (PBCCFL)*, and the *National Forensic League (NFL)*. Enrolled students will be required to actively participate in a minimum of two *PBCCFL* Saturday tournaments. This course fulfills the sophomore speech class requirement and may be repeated.

#### **Speech/Debate II**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites: successful completion of Speech/Debate I and permission of Debate Team coach and instructor

The purpose of this course is to build upon Speech/Debate I with particular emphasis on developing a working knowledge of the *Individual Events (IE)* of the *Catholic Forensic League (CFL)*. This class will focus on *IE*, specifically: *Policy Debate (PD)*; *Lincoln-Douglas (LD)*; *Oral Interpretation of Literature (OI)*; *Dramatic Performance (DP)*, *Duo Interpretation of Literature (DI)*; *Oratorical Declamation (DEC)*; *Original Oratory (OO)*; and *Extemporaneous Speaking (Extemp)*. This class will develop the skills for researching, preparing, practicing, and participating in *IE* in tournament setting. Enrolled students will be required to actively participate in a minimum of two *Palm Beach County Catholic Forensic League (PCSSFL)*, *Florida Forensic League (FFL)*, and/or *National Forensic League (NFL)* tournaments.

#### **Drawing I (0104340)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Fee: \$50.00

This course introduces the student to right brain techniques of drawing and design. Using pencil, charcoal, marker and pastel, the student experiments with both realistic and abstract approaches to drawing through a wide variety of projects. Personal art supplies for this course MAY cost the student approximately \$20.00.

#### **Painting I (0104370)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites: Drawing I  
+Fee: \$50.00

The student continues the study of design and the study of color theory using watercolor and tempera paints. Personal art supplies may cost the student approximately \$20.00

#### **Painting II (1<sup>st</sup> semester) (0104380)**

+Grade Level: 11<sup>th</sup> & 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites: Drawing I and Painting I  
Teacher approval only  
+Fee: \$50.00

This course introduces the serious art student to a variety of painting media including oil painting and acrylic painting. Study includes history, techniques, and completion of approximately five paintings. Personal art supplies will cost approximately \$60.00. This course may be repeated.

#### **Drawing/Painting III (2<sup>nd</sup> semester) (0104400)**

+Grade Level: 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites: Drawing I and Painting I, Painting II and teacher approval  
+Fee: \$50.00

For the more advanced student who is seriously considering art as a career. Course of study includes acrylic, oil and watercolor. Will include a study of painters from the early baroque through the 20<sup>th</sup> century. Personal art supplies will cost approximately \$60.00.

#### **IB Art Studio I-A (0114840)**

+Grade Level: 11<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisites: Admission to the IB Diploma Programme

Art Studio is a two-year curriculum that will begin during junior year with an entry level overall view of visual arts which includes line, space, texture, form and color using a variety of media. The goal is to provide an in-depth study of the visual arts. In addition to creating artistic pieces, this course includes intense study and research of various artists. This course gives students an appreciation of various form of the creative process. A research workbook is required.

### **IB Art Studio II-A (0114850)**

+Grade Level: 12th  
+Credit Value: 1.0  
+Prerequisites: Completion of Art Studio I-A-IB

This course is a continuation of the Art Studio I-A-IB at an advanced level for the senior year with an overall view of visual arts which includes line, space, texture, form and color using a variety of media. The goal is to provide an in-depth study of the visual arts. In addition to creating artistic pieces, this course includes intense study and research of certain “art areas” at an advanced level. This course gives students an advanced appreciation of the various forms of the creative process. A research workbook is required. The Exam is an interview with an IB outsider.

### **Music Appreciation (1301310)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites:

The purpose of this course is to provide instruction in the knowledge and skills necessary to value the role of music in everyday life and in various cultures. Study will include application and interpretation of rhythmic patterns, terminology, composition and arrangement, form, style, period and aesthetic impact.

### **Chorus (1303300)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 0.5  
+Prerequisites:

The purpose of this course is to provide students with instruction in the development of technical skills in the choral setting. Emphasis will be placed on individual and ensemble performances. This course may be repeated.

### **Band I Beginning (1301300)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisites: Audition and permission of Band Instructor  
+Fee: \$150.00

The purpose of this course is to provide students with instruction in the development of technical skills in the wind instruments. Emphasis will be placed on interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances

after school hours throughout the school year. This course may be repeated.

### **Band II Small Ensemble (1302310)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisites: Audition and permission of Band Director  
+Fee: \$150.00

This course is a continuation of Band I and is intended for students who have already achieved an intermediate level of technical skill in performance. Emphasis will be placed on further development of technical skill, interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

### **Music Leadership (24003001,2) Leadership Skills Development & Techniques**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisite: Requires permission of Band Director

The purpose of this course is to teach leadership skills, problem solving/decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, team building and other group processes.

### **Band III Concert Band**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisites: Audition and permission of Band Director  
+Fee: \$150.00

This course is a continuation of Band II and is intended for students who have already achieved an advanced level of technical skill in performance. Students will advance using all band instruments. Emphasis will be placed on developing technical skills, musicianship, ensemble awareness and ear training. Students will be able to sight-read music, use musical genres and styles. Members of this course will have required practices and performances after and/or before school hours throughout the school year. This course may be repeated.

### **Beginning Percussion (1302320)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
+Credit Value: 1.0  
+Prerequisites: Audition and permission of Band Director  
+Fee: \$150.00

The purpose of this course is to provide students with instruction in the development of fundamental skills in percussion. Emphasis will be placed on mallet and stock implementation and on interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

### **Advanced Percussion (1302320)**

+Grade Level: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 1.0

+Prerequisites: Audition and permission of Band Director

+Fee: \$150.00

This course is a continuation of Beginning Percussion and is intended for students who have already achieved an intermediate to advanced level of technical skill in performance. Emphasis will be placed on further development of technical skill, interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

### **Jazz Ensemble (1302500)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Audition and permission of Band Director

+Fee: \$150.00

The purpose of this course is to provide intermediate and advanced students with instruction in the jazz idiom. The class will meet twice a week after school. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

### **Dance Team Eurhythmics I (1305300)**

+Grade Level: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

+Credit Value: 0.5

+Prerequisites: Audition and permission of Band Director

+Fee: to be determined to cover cost of equipment and costumes

The purpose of this course is to provide students with instruction in the development of fundamental dance. This class will meet twice a week after school. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

### **Band Assistant**

+Grade Level: 12<sup>th</sup> Limited Enrollment

+Credit Value: 0.5

+Prerequisites: Signatures of Arts Dept. and Band Chairpersons

+Fee: \$150.00

This course is designed for the senior student who has an interest in band and has participated in the band program for more than one year. This student will work with the technology end of the band. He/she will assist with the maintenance of technology used by the band director and students. He/she will be responsible for archiving all music to be used by the students and band director. He/she will be responsible for inventory of band equipment. Students will have extensive experiences using sound equipment. The student will work independently under the director of the computer science staff and the band director. Band Assistants will also develop skills in multimedia equipment.

## FOREIGN LANGUAGE DEPARTMENT PREREQUISITES

### SPANISH

Students Currently Enrolled in ....	..... have the option to take....
Spanish I	Spanish II *Spanish II Honors (teacher recommendation)
Spanish I Honors	Spanish II *Spanish II Honors (teacher recommendation)
Spanish II	Spanish III *Spanish III Honors (teacher recommendation)  IB Program - 2 years: Spanish IB1 (Junior) - Administrative permission Spanish IB2 (Senior)
Spanish II Honors	Spanish III *Spanish III Honors (teacher recommendation)  IB Program - 2 years: Spanish IB1 (Junior) - Administrative permission Spanish IB2 (Senior)
Spanish III	Spanish IV  IB Program - 2 years: Spanish IB1 (Junior) - Administrative permission Spanish IB2 (Senior)
Spanish III Honors	Spanish IV AP Spanish (teacher recommendation)  IB Program - 2 years: Spanish IB1 (Junior) - Administrative permission Spanish IB 2 (Senior)
Spanish IV	AP Spanish (teacher recommendation)

An incoming freshman will be placed in a Level I class unless they show mastery of the language through our Foreign Language Placement Exam.

Students coming from a middle school will receive credit for Spanish Level I if they have successfully completed a **certified** high school level I class.

\* Placement in an Honors Class is based upon cognitive language ability and work ethic.

\*\* Bilingual students will be placed in Level I, unless through the placement exam, he/she demonstrates the ability to be placed in Level II or higher.

## FOREIGN LANGUAGE DEPARTMENT PREREQUISITES

### FRENCH

Students currently enrolled in ...	... have the opportunity to take ...
French I	French II *French II Honors (teacher recommendation)
French I Honors	French II *French II Honors (teacher recommendation)
French II	French III *French III Honors (teacher recommendation)  IB Program - 2 years: French IB1 (Junior) - Administrative permission French IB2 (Senior)
French II Honors	French III * French III Honors (teacher recommendation)  IB Program - 2 years: French IB1 (Junior) - Administrative permission FrenchIB2 (Senior)
French III	French IV  IB Program - 2 years: French IB1 (Junior) - Administrative permission French IB2 (Senior)
French III Honors	French IV AP French (teacher recommendation)  IB Program - 2 years: IB1 (Junior) - Administrative permission IB2 (Senior)
French IV	AP French (teacher recommendation)

An incoming freshman will be placed in a Level I class unless they show mastery of the language through our Foreign Language Placement Exam. Students coming from a middle school will receive credit for French Level I if they have successfully completed a **certified** high school Level I class.

\*Placement in an Honors Class in based upon cognitive language ability and work ethic.

\*\*Bilingual students will be placed in Level I, unless through placement exam, he/she demonstrates the ability to be placed in Level II or higher.

## PHYSICAL EDUCATION DEPARTMENT PREREQUISITES

Students currently enrolled in ....	....have the option to take ....
Personal Fitness/HOPE	Beginning Weight Training
Beginning Weight Training	Advanced Weight Training