



RV College of Engineering®

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RVCE/DA/1451 /2024-25

Thursday, November 28, 2024

CIRCULAR

Sub: Schedule of **CIE-II for I semester B.E Programs- for 2024 admission batch.**

CIE-II for I SEMESTER B.E Programs of 2022 scheme & 2024 admission batch is scheduled from December 11-14, 2024.

- ❖ **Test portion:** will be announced by the respective course coordinators/Faculty handling the course.
- ❖ **CIE Duration:** 90 Minutes
- ❖ **Quizzes** will be scheduled by the respective faculty handling the course **in online mode. It will be for 20 minutes. (Dec 2-10,2024)**
- ❖ **Maximum marks:** 50 Marks for test, 10 Marks for Quiz.

| Day / Date / Time | PHYSICS CYCLE ME, EC & CV STREAM: (AS, CH, IM & ME) (EC, EE, & ET) & (CV) | CHEMISTRY CYCLE CS STREAM: (CI, BT, CS, CD, CY & IS) |
|---|--|--|
| Wednesday, 11th December 2024 | | |
| 10.00 AM - 11.30 AM | Category: Applied Science Course Engineering Mathematics-I MA211TA, MA211TB, MA211TD | Category: Applied Science Course Chemistry of Smart Materials and Devices- CM211IA |
| 2.00 PM - 3.30 PM | Category: Applied Science Course Engineering Physics PY211IA, PY211IB, PY211ID | Category: Applied Science Course Fundamentals of Linear Algebra, Calculus & Statistics- MA211TC |
| Thursday, 12th December 2024 | | |
| 10.00 AM - 11.30 AM | Category: Professional Core Courses EC112TA, EE112TA, ME112TA, CV112TA | Category: Computer Aided Engineering Graphics ME112GL |
| 2.00 PM - 3.30 PM | Category: Engineering Science Courses-I XX113ATX | Category: Engineering Science Courses-I XX113ATX |
| Friday, 13th December 2024 | | |
| 10.00 AM - 11.30 AM | Category: Emerging Technology Courses- I XX114ATX | Category: Programming Language Courses XX115XIX |
| 12.00 PM - 04.30 PM | Category: Humanities & Social Sciences Samskruthika / Balake Kannada ** HS112KS/HS113KB | Category: HSS Scientific Foundation of Health- Yoga Practice ** HS115YL |
| Saturday, 14th December 2024 | | |
| 10.00 AM - 01.00 PM | *** | Category: HSS Fundamentals of Indian Constitution HS114TC ** |



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** The conduction of the following courses will be in online mode.

| SL. NO. | COURSE TITLE | COURSE CODE |
|---------|--|-----------------|
| 1 | Balake Kannada/ Samskruthika Kannada | HS112KS/HS113KB |
| 2 | Fundamentals of Indian Constitution | HS114TC |
| 3 | Scientific Foundation of Health-Yoga Pactice | HS115YL |

❖ Room allotment and seating arrangement will be informed shortly.

* CIE for the following courses will be held seperately

| SL. NO. | COURSE TITLE | COURSE CODE |
|---------|---|-------------|
| 1 | Communicative English-I | HS111EL |
| 2 | IDEA LAB (Idea Development, Evaluation & Application) | ME111DL |

S. S. Subramanyam
28/11/24.
CTTO
CTTO - RVCE

[Signature]
DEAN ACADEMICS
DEAN ACADEMICS
R.V. College of Engineering
Bengaluru - 560 059
28 NOV 2024

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VICE PRINCIPAL
VICE PRINCIPAL
R.V. College of Engineering
Bengaluru - 560 059

Copy to:

1. Dean Student Affairs.
2. HoDs for information and needful.
3. Course coordinators of I Semester UG courses.
4. First Year Counsellors.
5. TTOs for information and necessary action.
6. Director, RVIC for information and needful.

REVISED COURSE CODES

UPDATED AS ON 30-10-2024

FIRST SEMESTER PHYSICS CYCLE

ME, EC & CV STREAMS: (AS, CH, IM & ME), (EC, EE, EI & ET) & C V

| SL. NO. | BoS | FIRST SEM COURSE CODES | Course Title | SECOND SEM COURSE CODES | Credits |
|---------|-----|------------------------|---|-------------------------|---------|
| 1 | MA | MA211TA | Fundamentals of Linear Algebra, Calculus And Numerical Methods | | 4 |
| | MA | MA211TB | Fundamentals of Linear Algebra, Calculus And Differential Equations | | 4 |
| | MA | MA211TD | Applied Mathematics - I | | 4 |
| 2 | PY | PY211IA | Condensed Matter Physics for Engineers (Theory & Practice) | | 4 |
| | PY | PY211IB | Classical Physics for Engineers (Theory & Practice) | | 4 |
| | PY | PY211ID | Applied Physics for Engineers (Theory & Practice) | | 4 |
| 3 | XX | XX112TX | Professional Core Courses | XX122TX | 3 |
| 4 | XX | XX113XTX | Engineering Science Courses-I | XX123XTX | 3 |
| 5 | XX | XX114XTX | Emerging Technology Courses-I | XX124XTX | 3 |
| 6 | HS | HS111EL | Communicative English-I | | 1 |
| 7 | HS | HS112KS | Samskruthika Kannada | HS122KS | 1 |
| | | HS113KB | Balake Kannada | HS123KB | |
| 8 | ME | ME111DL | IDEA LAB (Idea Development, Evaluation & Application) | | 1 |

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3. PROFESSIONAL CORE COURSES

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|------------------------------------|-------------------------|---------|
| 1 | EC | EC112TA | Basic Electronics | EC122TA | 3 |
| 2 | EE | EE112TA | Elements of Electrical Engineering | EE122TA | 3 |
| 3 | ME | ME112TA | Elements of Mechanical Engineering | ME122TA | 3 |
| 4 | CV | CV112TA | Engineering Mechanics | CV122TA | 3 |

4. ENGINEERING SCIENCE-I

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | CS | CS113ATA | Fundamentals of Programming using C | CS123ATA | 3 |
| 2 | CV | CV113ATB | Elements of Civil Engineering | CV123ATB | 3 |
| 3 | EC | EC113ATC | Principles of Electronics Engineering | EC123ATC | 3 |
| 4 | EE | EE113ATD | Basics of Electrical Engineering | EE123ATD | 3 |
| 5 | ME | ME113ATE | Fundamentals of Mechanical Engineering | ME123ATE | 3 |

5. EMERGING TECHNOLOGY

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | AI | AI114ATA | Introduction to Internet of Things | AI124ATA | 3 |
| 2 | AS | AS114ATB | Introduction to Drone Technology | AS124ATB | 3 |
| 3 | BT | BT114ATC | Bioinspired Engineering | BT124ATC | 3 |
| 4 | CH | CH114ATD | Global Climate Change | CH124ATD | 3 |
| 5 | CS | CS114ATE | Elements of Blockchain Technology | CS124ATE | 3 |
| 6 | CS | CS114BTF | Introduction to Cyber Security | CS124BTF | 3 |
| 7 | CV | CV114ATG | Green Buildings | CV124ATG | 3 |
| 8 | CV | CV114BTH | Infrastructure for Smart Cities | CV124BTH | 3 |
| 9 | CM | CM114ATJ | Fundamentals of Nanoscience & Technology | CM124ATJ | 3 |
| 10 | EC | EC114ATK | Fundamentals of Semiconductor Devices | EC124ATK | 3 |
| 11 | EC | EC114BTM | Introduction to Embedded Systems | EC124BTM | 3 |
| 12 | EE | EE114ATN | Renewable Energy Sources | EE124ATN | 3 |
| 13 | EI | EI114ATO | Fundamentals of Sensor Technology | EI124ATO | 3 |
| 14 | IM | IM114ATP | Human factors in Engineering | IM124ATP | 3 |
| 15 | IS | IS114ATQ | Digital Humanities | IS124ATQ | 3 |
| 16 | ME | ME114ATR | Smart materials and Systems | ME124ATR | 3 |
| 17 | ME | ME114BTS | Elements of Industry 4.0 | ME124BTS | 3 |

REVISED COURSE CODES

SECOND SEMESTER PHYSICS CYCLE

CS STREAMS: (AI, BT, CS, CD, CY & IS)

| SL. NO. | BoS | FIRST SEM COURSE CODES | Course Title | SECOND SEM COURSE CODES | Credits |
|---------|-----|------------------------|--|-------------------------|-----------|
| 1 | MA | | Number Theory, Vector Calculus And Computational Methods | MA221TC | 4 |
| 2 | PY | | Quantum Physics for Engineers (Theory & Practice) | PY221IC | 4 |
| 3 | XX | XX112TX | Professional Core Courses | XX122TX | 3 |
| 4 | XX | XX113XTX | Engineering Science Courses-II | XX123XTX | 3 |
| 5 | XX | XX114XTX | Emerging Technology Courses-II | XX124XTX | 3 |
| 6 | HS | | Communicative English-II | HS121EL | 1 |
| 7 | HS | HS112KS HS113KB | Samskruthika Kannada Balake Kannada | HS122KS HS123KB | 1 |
| 8 | ME | ME111DL | IDEA LAB (Idea Development, Evaluation & Application) | ME121DL | 1 |
| | | | | | 20 |

3. PROFESSIONAL CORE COURSES

| SL.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|-----------------------------------|-------------------------|---------|
| 1 | CS | | Principles of Programming using C | CS222IA | 3 |

4. ENGINEERING SCIENCE-II

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | CS | CS113ATA | Fundamentals of Programming using C | CS123ATA | 3 |
| 1 | CV | CV113ATB | Elements of Civil Engineering | CV123ATB | 3 |
| 2 | EC | EC113ATC | Principles of Electronics Engineering | EC123ATC | 3 |
| 3 | EE | EE113ATD | Basics of Electrical Engineering | EE123ATD | 3 |
| 4 | ME | ME113ATE | Fundamentals of Mechanical Engineering | ME123ATE | 3 |

5. EMERGING TECHNOLOGY-II

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | AI | AI114ATA | Introduction to Internet of Things | AI124ATA | 3 |
| 2 | AS | AS114ATB | Introduction to Drone Technology | AS124ATB | 3 |
| 3 | BT | BT114ATC | Bioinspired Engineering | BT124ATC | 3 |
| 4 | CH | CH114ATD | Global Climate Change | CH124ATD | 3 |
| 5 | CS | CS114ATE | Elements of Blockchain Technology | CS124ATE | 3 |
| 6 | CS | CS114BTF | Introduction to Cyber Security | CS124BTF | 3 |
| 7 | CV | CV114ATG | Green Buildings | CV124ATG | 3 |
| 8 | CV | CV114BTH | Infrastructure for Smart Cities | CV124BTH | 3 |
| 9 | CM | CM114ATJ | Fundamentals of Nanoscience & Technology | CM124ATJ | 3 |
| 10 | EC | EC114ATK | Fundamentals of Semiconductor Devices | EC124ATK | 3 |
| 11 | EC | EC114BTM | Introduction to Embedded Systems | EC124BTM | 3 |
| 12 | EE | EE114ATN | Renewable Energy Sources | EE124ATN | 3 |
| 13 | EI | EI114ATO | Fundamentals of Sensor Technology | EI124ATO | 3 |
| 14 | IM | IM114ATP | Human factors in Engineering | IM124ATP | 3 |
| 15 | IS | IS114ATQ | Digital Humanities | IS124ATQ | 3 |
| 16 | ME | ME114ATR | Smart materials and Systems | ME124ATR | 3 |
| 17 | ME | ME114BTS | Elements of Industry 4.0 | ME124BTS | 3 |

REVISED COURSE CODES

UPDATED AS ON 30-10-2024

FIRST SEMESTER CHEMISTRY CYCLE

CS STREAMS: (AI, BT, CS, CD, CY & IS)

| SL. NO. | BoS | FIRST SEM COURSE CODES | Course Title | SECOND SEM COURSE CODES | Credits |
|---------|-----|------------------------|--|-------------------------|-----------|
| 1 | MA | MA211TC | Fundamentals of Linear Algebra, Calculus And Statistics | | 4 |
| 2 | CM | CM211IA | Chemistry Of Smart Materials And Devices (Theory & Practice) | | 4 |
| 3 | ME | ME112GL | Computer Aided Engineering Graphics | ME122GL | 3 |
| 4 | XX | XX113XTX | Engineering Science Courses-I | XX123XTX | 3 |
| 5 | XX | XX115XIX | Programming Language Courses (Theory & Practice) | XX125XIX | 3 |
| 6 | HS | HS111EL | Communicative English-I | | 1 |
| 7 | HS | HS114TC | Fundamentals of Indian Constitution | HS124TC | 1 |
| 8 | HS | HS115YL | Scientific Foundations of Health-Yoga Practice | HS125YL | 1 |
| | | | | | 20 |

4. ENGINEERING SCIENCE-I

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | CS | CS113ATA | Fundamentals of Programming using C | CS123ATA | 3 |
| 1 | CV | CV113ATB | Elements of Civil Engineering | CV123ATB | 3 |
| 2 | EC | EC113ATC | Principles of Electronics Engineering | EC123ATC | 3 |
| 3 | EE | EE113ATD | Basics of Electrical Engineering | EE123ATD | 3 |
| 4 | ME | ME113ATE | Fundamentals of Mechanical Engineering | ME123ATE | 3 |

5. PROGRAMMING LANGUAGE-I

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | AI | AI115AIA | Introduction to Python programming (Theory & Practice) | AI125AIA | 3 |
| 2 | CS | CS115AIB | Introduction to Web programming (Theory & Practice) | CS125AIB | 3 |
| 3 | CS | CS115BIC | Basics of Java programming (Theory & Practice) | CS125BIC | 3 |
| 4 | IS | IS115AID | Introduction to C++ Programming (Theory & Practice) | IS125AID | 3 |

REVISED COURSE CODES

SECOND SEMESTER CHEMISTRY CYCLE

ME, EC & CV STREAMS: (AS, CH, IM & ME), (EC, EE, EI & ET) & CV

| SL. NO. | BoS | FIRST SEM COURSE CODES | Course Title | SECOND SEM COURSE CODES | Credits |
|---------|-----|------------------------|---|-------------------------|-----------|
| 1 | MA | | Vector Calculus, Laplace Transform And Numerical Methods | MA221TA | 4 |
| | MA | | Vector Calculus And Computational Methods | MA221TB | 4 |
| | MA | | Applied Mathematics - II | MA221TD | 4 |
| 2 | CM | | Chemistry of functional materials (Theory & Practice) | CM221IB | 4 |
| | CM | | Chemistry of Engineering materials (Theory & Practice) | CM221IC | 4 |
| | CM | | Engineering And Environmental Chemistry (Theory & Practice) | CM221ID | 4 |
| 3 | ME | ME112GL | Computer Aided Engineering Graphics | ME122GL | 3 |
| 4 | XX | XX113XTX | Engineering Science Courses-II | XX123XTX | 3 |
| 5 | XX | XX115XIX | Programming Language Courses | XX125XIX | 3 |
| 6 | HS | | Communicative English-II | HS121EL | 1 |
| 7 | HS | HS114TC | Fundamentals of Indian Constitution | HS124TC | 1 |
| 8 | HS | HS115YL | Scientific Foundations of Health-Yoga Practice | HS125YL | 1 |
| | | | | | 20 |

4. ENGINEERING SCIENCE-II

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | CS | CS113ATA | Fundamentals of Programming using C | CS123ATA | 3 |
| 2 | CV | CV113ATB | Elements of Civil Engineering | CV123ATB | 3 |
| 3 | EC | EC113ATC | Principles of Electronics Engineering | EC123ATC | 3 |
| 4 | EE | EE113ATD | Basics of Electrical Engineering | EE123ATD | 3 |
| 5 | ME | ME113ATE | Fundamentals of Mechanical Engineering | ME123ATE | 3 |

5. PROGRAMMING LANGUAGE-II

| Sl.No | BoS | FIRST SEM COURSE CODES | COURSE TITLE | SECOND SEM COURSE CODES | Credits |
|-------|-----|------------------------|--|-------------------------|---------|
| 1 | AI | AI115AIA | Introduction to Python programming (Theory & Practice) | AI125AIA | 3 |
| 2 | CS | CS115AIB | Introduction to Web programming (Theory & Practice) | CS125AIB | 3 |
| 3 | CS | CS115BIC | Basics of Java programming (Theory & Practice) | CS125BIC | 3 |
| 4 | IS | IS115AID | Introduction to C++ Programming (Theory & Practice) | IS125AID | 3 |

APPLIED SCIENCE COURSES & PROGRAMS

REVISED COURSE CODES

FIRST SEMESTER: ENGINEERING MATHEMATICS

| BoS | COURSE CODES | COURSE TITLE | PROGRAMS |
|-----|--------------|---|------------------------|
| MA | MA211TA | Fundamentals of Linear Algebra, Calculus And Numerical Methods | EC, EE, EI, ET |
| MA | MA211TB | Fundamentals of Linear Algebra, Calculus And Differential Equations | AS, CH, IM, ME |
| MA | MA211TC | Fundamentals of Linear Algebra, Calculus And Statistics | AI, BT, CS, CD, CY, IS |
| MA | MA211TD | Applied Mathematics - I | CV |

SECOND SEMESTER: ENGINEERING MATHEMATICS

| BoS | COURSE CODES | COURSE TITLE | PROGRAMS |
|-----|--------------|--|------------------------|
| MA | MA221TA | Vector Calculus, Laplace Transform And Numerical Methods | EC, EE, EI, ET |
| MA | MA221TB | Vector Calculus And Computational Methods | AS, CH, IM, ME |
| MA | MA221TC | Number Theory, Vector Calculus And Computational Methods | AI, BT, CS, CD, CY, IS |
| MA | MA221TD | Applied Mathematics - II | CV |

FIRST SEMESTER: ENGINEERING PHYSICS

| BoS | COURSE CODES | COURSE TITLE | PROGRAMS |
|-----|--------------|--|----------------|
| PY | PY211IA | Condensed Matter Physics for Engineers (Theory & Practice) | EC, EE, EI, ET |
| PY | PY211IB | Classical Physics for Engineers (Theory & Practice) | AS, CH, IM, ME |
| PY | PY211ID | Applied Physics for Engineers (Theory & Practice) | CV |

SECOND SEMESTER: ENGINEERING PHYSICS

| BoS | COURSE CODES | COURSE TITLE | PROGRAMS |
|-----|--------------|---|------------------------|
| PY | PY221IC | Quantum Physics for Engineers (Theory & Practice) | AI, BT, CS, CD, CY, IS |

FIRST SEMESTER: ENGINEERING CHEMISTRY

| BoS | COURSE CODES | COURSE TITLE | PROGRAMS |
|-----|--------------|--|------------------------|
| CM | CM211IA | Chemistry Of Smart Materials And Devices | AI, BT, CS, CD, CY, IS |

SECOND SEMESTER: ENGINEERING CHEMISTRY

| BoS | COURSE CODES | COURSE TITLE | PROGRAMS |
|-----|--------------|---|----------------|
| CM | CM221IB | Chemistry of functional materials (Theory & Practice) | EC, EE, EI, ET |
| CM | CM221IC | Chemistry of Engineering materials (Theory & Practice) | AS, CH, IM, ME |
| CM | CM221ID | Engineering And Environmental Chemistry (Theory & Practice) | CV |