

# SHRI MATA VAISHNO DEVI UNIVERSITY

## School of Physics

### Integrated B.Sc. (Hons.) Physics - Ist Sem.

w.e.f. 08.09.2023

& modified on 19-09-2023


| Day/Time         | 9:00-10:00                            | 10:00-11:00 | 11:00-12:00          | 12:00-1:00 | 1.00 – 2:00           | 2:00-3:00                      | 3:00 – 4:00              | 4:00 – 5:00                           |
|------------------|---------------------------------------|-------------|----------------------|------------|-----------------------|--------------------------------|--------------------------|---------------------------------------|
| <b>MONDAY</b>    | AEC-1<br>(Professional Communication) |             |                      | SEC-1*     | L<br>U<br>N<br>C<br>H | VAC-2<br>(Understanding India) | Mechanics (JS)           | Basics of Biology<br>(Wednesday MD-1) |
| <b>TUESDAY</b>   | VAC-1 (Health and Wellness)           |             |                      | SEC-1*     |                       |                                | Mechanics (JS)           | Thermal Physics (KP)                  |
| <b>WEDNESDAY</b> | AEC-1<br>(Professional Communication) |             | Mechanics (JS)       | MD-1**     |                       | VAC-2<br>(Understanding India) | Mechanics Lab (JS)       |                                       |
| <b>THURSDAY</b>  | VAC-1 (Health and Wellness)           |             |                      | MD-1**     |                       | Thermal Physics (KP)           | Thermal Physics Lab (KP) |                                       |
| <b>FRIDAY</b>    | AEC-1<br>(Professional Communication) |             | Thermal Physics (KP) | MD-1**     |                       |                                |                          |                                       |

\* One course should be chosen from the pool of courses SEC-1.

\*\* One course should be chosen from the pool of courses MD-1.

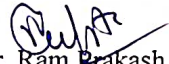
| Skill Enhancement Courses (SEC)      | Multidisciplinary Courses (MD)              |
|--------------------------------------|---|
| Computer Applications (SoCSE)        | Basics of Biology (SoBT)                    |
| Presentation Skills (SoB)            | Chemical Bonding & Transition Metals (SoBT) |
| Modern Office Management (SoB)       | Introduction to Sound System (SoLL)         |
| Financial Literacy and Banking (SoB) |   |


  
TT Coordinator, SoP

  
Head, SoP

| COURSE CODE                        | COURSE TITLE   | L-T-P                               | Credit | FACULTY                                 |
|------------------------------------|--|-------------------------------------|--------|---|
| PHL 1023                           | Mechanics  | 3-0-0                               | 3      | Dr. Jitendra Sharma (JS)                |
| PHP 1023                           | Mechanics Lab  | 0-0-2                               | 1      | Dr. Jitendra Sharma (JS)                |
| PHL 1024                           | Thermal Physics  | 3-0-0                               | 3      | Dr. Kamni (KP)                          |
| PHP 1024                           | Thermal Physics Lab  | 0-0-2                               | 1      | Dr. Kamni (KP)                          |
| BTE 1116/<br>BTE 1708/<br>LNE 1041 | Basics of Biology/ Chemical Bonding<br>& Transition Metals/ Introduction to Sound<br>System (MD-1) | 3-0-0                               | 3      | Dr. Sharda P. ( Basics of Biology) SoBT |
| LNL 1031                           | Professional Communication (AEC-1)   | 3-0-0                               | 3      | Dr. Anurag (SoLL)                       |
| CSE 1013                           | Introduction to Computer Applications /<br>(SEC-1)   | 1-0-2/<br>0-0-4/<br>0-0-4/<br>0-0-4 | 2      | Mr. Deo Prakash (SoCSE)                 |
| BTL 1530                           | Health and Wellness (VAC-1)  | 2-0-0                               | 2      | Dr. Vinod Singh ( SoBT)                 |
|                                    | NSS (VAC-2)  | 2-0-0                               | 2      | Dr. Rajiv Kumar (SoME)                  |

**"The theory classes for major and minor courses shall be held at SoP conference room/ at some SoP Lab**

  
 Dr. Ram Prakash  
 AP & TT Coordinator, SoP

  
 Dr. S. K. Wanchoo  
 Assoc. Prof. & Head, SoP

**Cc:**

- 1) Dean, Faculty of Sciences for information
- 2) Dean, Academic Affairs
- 3) Notice Board

## SHRI MATA VAISHNO DEVI UNIVERSITY

### School of Physics (2023-24\_ODD Semester)

Draft TIME TABLE FOR Integrated B. Sc. – M.Sc. Physics (3rd Sem) for Odd Sem 2023-24

w.e.f. 07.08.2023 & modified on 13-09-2023

| Day/ Time | 9:00 – 10:00                    | 10:00 – 11:00                | 11:00 – 12:00                | 12:00 – 1:00 | 1.00 – 2.00                      | 2.00 - 3.00                 | 3.00 - 4.00                     | 4.00 - 5.00 |
|-----------|---------------------------------|------------------------------|------------------------------|--------------|----------------------------------|-----------------------------|---------------------------------|-------------|
| MONDAY    |                                 | Analog Electronics (SKW)     | Mathematical Methods -I (PB) |              | L<br><br><br>U<br><br>N<br><br>C | AEC (UP)                    | Analog Electronics Lab (SKW)    |             |
| TUESDAY   | Analog Electronics (SKW)        | Mathematical Methods -I (PB) |                              |              |                                  | AEC (UP)                    | Waves and Oscillations (DS)     |             |
| WEDNESDAY |                                 | Analog Electronics (SKW)     |                              | MD           |                                  | Waves and Oscillations (DS) | Mathematical Methods -I (PB)    |             |
| THURSDAY  | Waves and Oscillations (DS)     | Mathematical Methods -I (PB) |                              | MD           |                                  | AEC (UP)                    | Waves and Oscillations Lab (DS) |             |
| FRIDAY    | Mechanical workshop (SEC) 1-0-2 |                              |                              | MD           |                                  |                             |                                 |             |

  
 TT Coordinator, SoP

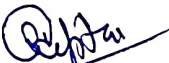
  
 Head, SoP

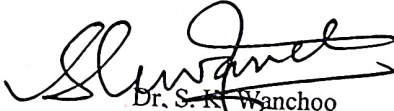
**COURSES FOR B. Sc. (Hons.) (PHYSICS) Sem-III for Odd Sem 2023-24**

| Course Code                                       | Course Title  | L-T-P         | Credits   | Faculty                    |
|---|---|---------------|-----------|----------------------------|
| PHL 2051  | Analog Electronics  | 3-0-0         | 3         | Dr. Sunil K. Wanchoo (SKW) |
| PHP 2051  | Analog Electronics Lab  | 0-0-2         | 1         | Dr. Sunil K. Wanchoo (SKW) |
| PHL 2033  | Mathematical Methods -I   | 3-1-0         | 4         | Dr. Pankaj Biswas (PB)     |
| PHL 2013  | Waves and Oscillations  | 3-0-0         | 3         | Dr. Deepa Singh (DS)       |
| PHP 2013  | Waves and Oscillations Lab  | 0-0-2         | 1         | Dr. Deepa Singh (DS)       |
| BTE 2533/<br>MEE4143                              | (MD offered from other schools)<br>Food and Nutrition /<br>Quality management   | 3-0-0         | 3         |                            |
| LNL 2211  | AEC (Soft Skill through Literature -II)   | 2-1-0         | 3         | Dr. Uday Pathania (UP)     |
| BUE 3241 /<br>BUE2351 /<br>MEP 1111 /<br>ECL 1200 | (SEC)<br>Trading in Indian Stock market /<br>Principles of sales management /<br>Mechanical workshop /<br>MATLAB programing | 2-0-0         | 2         | Mr. Deepak Byotra (DB)     |
|   | <b>Total Credits</b>  | <b>16-2-4</b> | <b>20</b> |                            |

\* Core as well as subsidiary course

\*\*Int. B.Sc. Hons. (Physics) – M.Sc. (Physics) theory classes (core) shall be held in A-206 in School of Physics.

  
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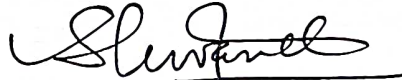
## School of Physics (2023-24\_ODD Sem)

TIME TABLE FOR Int. B. Sc. (Hons.) Physics – M.Sc. Physics (5th Sem) for Odd Sem 2023-24

w.e.f. 07.08.2023 &  
Modified on 13-09-2023

| Day/ Time | 9:00 – 10:00                           | 10:00 – 11:00 | 11:00 – 12:00                         | 12:00 – 1:00 | 1.00 – 2:00                           | 2:00 - 3.00                                | 3.00 - 4.00                            | 4.00 - 5.00 |
|-----------|--|---------------|---------------------------------------|--------------|---------------------------------------|--|--|-------------|
| MONDAY    | Elementary Statistical Mechanics (DS)  | DSE-I (SAB)   |                                       |              | L<br><br>U<br><br>N<br><br>C<br><br>H | DSE-II (AKS)                               | Fundamentals of Materials Science (RP) | UHV-II      |
| TUESDAY   | Fundamentals of Materials Science (RP) | DSE-I (SAB)   | Elementary Statistical Mechanics (DS) | DSE-II (AKS) |                                       | Fundamentals of Materials Science Lab (RP) | UHV-II                                 |             |
| WEDNESDAY |  | DSE-I (SAB)   | Elementary Statistical Mechanics (DS) |              |                                       | DSE-II (AKS)                               | Fundamentals of Materials Science (RP) | UHV-II      |
| THURSDAY  | DSE-II (AKS)                           | DSE-I (SAB)   | Elementary Statistical Mechanics (DS) |              |                                       |  | Fundamentals of Materials Science (RP) | UHV-II      |
| FRIDAY    |  |               |                                       |              |                                       | Fundamentals of Materials Science Lab (RP) |  |             |

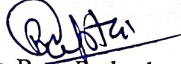
  
 TT Coordinator, SoP


  
 Head, SoP

COURSES FOR B. Sc. (Hons.) (PHYSICS) Sem-V for Odd Sem 2022-23

| Course Code | Course Title                          | L-T-P         | Credits   | Faculty               |
|-------------|---------------------------------------|---------------|-----------|-----------------------|
| PHL 3062    | Elementary Statistical Mechanics      | 4-0-0         | 4         | Dr. Deepa Singh (DS)  |
| PHL 3084    | Fundamentals of Materials Science     | 4-0-0         | 4         | Dr. Ram Prakash (RP)  |
| PHP 3084    | Fundamentals of Materials Science Lab | 0-0-4         | 2         | Dr. Ram Prakash (RP)  |
| PHL 3153    | Applied Optics (DSE-I)                | 4-0-0         | 4         | Mr. Sajad A. Bhat     |
| PHL 3171    | Atmosphere and Space Physics (DSE-II) | 4-0-0         | 4         | Dr. A.K. Sharma (AKS) |
| PCL-3067    | UHV)-II                               | 4-0-0         | 4         | Dr. Satish Tiwari     |
|             | <b>Total Credits</b>                  | <b>20-0-4</b> | <b>22</b> |                       |

\*Int. B.Sc. Hons. (Physics) – M.Sc. (Physics) theory classes shall be held in A-204 in School of Physics.

  
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**SIIRI MATA VAISHINO DEVI UNIVERSITY**  
**SCHOOL OF PHYSICS**  
**Time Table (Odd Sem.) 2023-24**

**B. Tech. I<sup>st</sup> Sem**

w.e.f. 29.08.2023

& modified on 13-09-2023

**Course (s): Engineering Physics (PHL 1012) & Engineering Physics Lab (PHP 1012)**

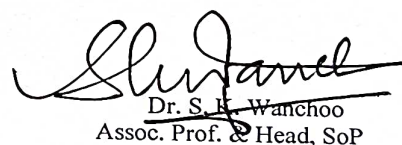
| Day/Time         | 9.00<br>-<br>10.00            | 10.00<br>-<br>11.00         | 11.00<br>-<br>12.00            | 12.00<br>-<br>1.00 | 1.00<br>-<br>2.00                | 2.00<br>-<br>3.00 | 3.00<br>-<br>4.00             | 4.00<br>-<br>5.00      |  |
|------------------|-------------------------------|-----------------------------|--------------------------------|--------------------|----------------------------------|-------------------|-------------------------------|------------------------|--|
| <b>MONDAY</b>    |                               |                             | Eng. Physics Lab (CSE-B) - MAM |                    | <b>L<br/>U<br/>N<br/>C<br/>H</b> |                   | CSE (Theory) MAM (Venue: LT1) |                        |  |
|                  |                               |                             | ME (Theory) AKS                |                    |                                  |                   |                               |                        |  |
| <b>TUESDAY</b>   |                               | ME (Theory) AKS             |                                |                    |                                  |                   | CSE (Theory) MAM (LT-3)       | Eng. Phys. Lab (CSE-D) |  |
|                  | Eng. Physics Lab (CSE-C) DS   |                             |                                |                    |                                  |                   |                               |                        |  |
| <b>WEDNESDAY</b> | ME (Theory) AKS               |                             | CSE (Theory) MAM (Venue: LT1)  |                    |                                  |                   |                               |                        |  |
| <b>THURSDAY</b>  |                               | Eng. Physics Lab (CSE-D) JS |                                |                    |                                  |                   |                               |                        |  |
| <b>FRIDAY</b>    | Eng. Physics Lab (CSE-A) - PB |                             |                                |                    |                                  |                   | Eng. Physics Lab (ME-A) AKS   |                        |  |

**Course Coordinator (Theory & Lab): Dr. Mudasir Ahmed Mir**

| COURSE CODE | COURSE TITLE            | Branch                 | L-T-P | CREDITS | FACULTY                     | Lecture Hall/ Room No.        |
|-------------|-------------------------|------------------------|-------|---------|-----------------------------|-------------------------------|
| PHL 1012    | Engineering Physics     | Computer Science (CSE) | 3-0-0 | 3       | Dr. Mudasir Ahmed Mir (MAM) | LT-3/ LT1                     |
| PHP 1012    | Engineering Physics Lab | CSE (Lab-A)            | 0-0-2 | 1       | Dr. Pankaj Biswas           | Eng. Physics Lab at SoP A-202 |
|             |                         | CSE (Lab-B)            |       |         | Dr. Mudasir Ahmed Mir (MAM) |                               |
|             |                         | CSE (Lab-C)            |       |         | Dr. Deepa Singh (DS)        |                               |
|             |                         | CSE (Lab-D)            |       |         | Dr. J. Sharma (JS)          |                               |
| PHL 1012    | Engineering Physics     | Mechanical (ME)        | 3-0-0 | 3       | Prof. Ashok K. Sharma (AKS) | B-104                         |
| PHP 1012    | Engineering Physics Lab | ME (Lab- A)            | 0-0-2 | 1       | Prof. Ashok K. Sharma (AKS) | Eng. Physics Lab at SoP A-202 |



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**SIIRI MATA VAISHNO DEVI UNIVERSITY**  
**SCHOOL OF PHYSICS**  
**Time Table M.Sc. Physics (Odd Sem.) 2023-24**

M.Sc. 1<sup>st</sup> Semester/ Integrated B.Sc.-M. Sc (Physics) 7<sup>th</sup> semester

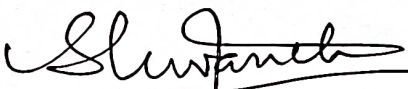
w.e.f. 08.09.2023  
 modified on 19-09-2023

| Day/Time  | 9.00<br>-<br>10.00 | 10.00<br>-<br>11.00     | 11.00<br>-<br>12.00 | 12.00<br>-<br>1.00 | 1.00<br>-<br>2.00     | 2.00<br>-<br>3.00 | 3.00<br>-<br>4.00 | 4.00<br>-<br>5.00 |
|-----------|--------------------|-------------------------|---------------------|--------------------|-----------------------|-------------------|-------------------|-------------------|
| MONDAY    | MAM                | Gen. Lab.-I<br>YK /DS   |                     |                    | L<br>U<br>N<br>C<br>H | MS                | PB                |                   |
| TUESDAY   | MAM                | Gen. Lab.-I<br>KP/SKW   |                     |                    |                       |                   | PB                | YK                |
| WEDNESDAY | MAM                | Gen. Lab.-I<br>AKS /PB  |                     |                    |                       |                   | MS                | YK                |
| THURSDAY  | MS                 | Gen. Lab.-I<br>MAM /SKW |                     |                    |                       |                   | PB                | YK                |
| FRIDAY    | MAM                | YK                      | MS                  | PB                 |                       |                   |                   |                   |

| COURSE CODE | COURSE TITLE                     | L-T-P  | CREDITS | FACULTY   |
|-------------|----------------------------------|--------|---------|---|
| PHL 6021    | Classical Mechanics              | 4-0-0  | 4       | Dr. Pankaj Biswas ( PB)   |
| PHL 6033    | Mathematical Physics             | 4-0-0  | 4       | Mr. Manav Sharma (MS)   |
| PHL 6041    | Quantum Mechanics-I              | 4-0-0  | 4       | Dr. Yugal Khajuria (YK)   |
| PHL 6054    | Physics of semiconductor devices | 4-0-0  | 4       | Dr. Mudasir Ahmed Mir (MAM)   |
| PHP 6123    | Physics Laboratory-I             | 0-0-12 | 6       | <b>Phy. Lab.-I(Gen)</b><br>Dr. Kamni (KP)<br><b>(Lab. Co-ordinator Gen. Phy)</b><br>Prof. Ashok K. Sharma (AKS)<br>Dr. Mudasir Ahmed Mir (MAM)<br>Dr. Yugal Khajuria (YK)<br><b>Phy. Lab-I (Electronics)</b><br>Dr. Pankaj Biswas (PB)<br><b>(Lab. Co-ordinator Electronics)</b><br>Dr. S. K. Wanchoo (SKW)<br>Dr. Deepa Singh (DS) |

\*Theory Classes shall be held in B-106 and Practical shall be held in A -203/ A-205.

  
 Dr. Ram Prakash  
 AP & TT Coordinator, SoP

  
 Dr. S. K. Wanchoo  
 Assoc. Prof. & Head, SoP

Cc:

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**SHRI MATA VAISHNO DEVI UNIVERSITY**  
**SCHOOL OF PHYSICS**

**Time table for M. Sc. (Physics) 3<sup>rd</sup> Semester, 2023-24**

M.Sc. III<sup>rd</sup> Semester

w.e.f. 07.08.2023 & modified on 13-09-2023

| Day/ Time | 9.00<br>-<br>10.00     | 10.00<br>-<br>11.00 | 11.00<br>-<br>12.00 | 12.00<br>-<br>1.00 | 1.00<br>-<br>2.00     | 2.00<br>-<br>3.00       | 3.00<br>-<br>4.00 | 4.00<br>-<br>5.00 |
|-----------|------------------------|---------------------|---------------------|--------------------|-----------------------|-------------------------|-------------------|-------------------|
| MONDAY    | YK                     | JS                  | RP                  | KP                 | L<br>U<br>N<br>C<br>H | Special Paper Lab (KP)  |                   |                   |
| TUESDAY   | YK                     | JS                  | RP                  |                    |                       | KP                      |                   |                   |
| WEDNESDAY | JS                     | YK                  | RP                  | KP                 |                       | Special Paper Lab (MAM) |                   |                   |
| THURSDAY  | JS                     | YK                  | RP                  | KP                 |                       | Special Paper Lab (JS)  |                   |                   |
| FRIDAY    | Special Paper Lab (RP) |                     |                     |                    |                       |                         |                   |                   |


| COURSE CODE | COURSE TITLE                 | L-T-P  | CREDITS | FACULTY   |
|-------------|------------------------------|--------|---------|---|
| PHL 7071    | Atomic and Molecular Physics | 4-0-0  | 4       | Dr. Yugal Khajuria (YK)   |
| PHL 7101    | Condensed Matter Physics     | 4-0-0  | 4       | Dr. Kamni (KP)  |
| PHL 7102    | Special Paper- I (CMP)       | 4-0-0  | 4       | Dr. Ram Prakash (RP)  |
| PHL 7103    | Special Paper- II (CMP)      | 4-0-0  | 4       | Dr. Jitendra Sharma (JS)  |
| PHP 7106    | Special paper Lab (CMP)      | 0-0-12 | 6       | Dr. Jitendra Sharma (JS)<br><b>Lab. Coordinator CMP Lab.</b><br>Dr. Kamni (KP)<br>Dr. Ram Prakash (RP)<br>Dr. Mudasir Ahmed Mir (MAM) |

\*CMP specialization Lab in School of Physics shall be held in A-206

\*\* theory classes shall be held in B-206.



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