

| Timestamp | Q1 | Q2 | Q3 | Q4 | Q5 |
|----------------------|--|--|----|----|---|
| PPH104-Reflections-I | | Unit - Differential Equations and Special Functions | | | |
| Queries | Description | | | | |
| Q1 | In few sentences please describe your learning experience of the last unit (Differential Equations and Special Functions) | | | | |
| Q2 | Did you have any special moment when you felt joy of learning during any lecture or tutorial sessions? Please describe in 2/3 sentences. | | | | |
| Q3 | How would you rate your teacher based on his/her motivation, delivery, organisation during the last unit? | | | | |
| Q4 | How would you rate yourself based on your motivation, effort, likeness towards the learning during the last unit? | | | | |
| Q5 | Can you think of any way that the teaching and over all learning experience can be improved? | | | | |
| | | | | | |
| 9/14/2017 16:1 | The learning experience has been overall good. But overall hectic schedule and too much burden because of pending syllabus hampers learning. | When I was able to recall what I have learnt and also able to apply what I already know. | 4 | 3 | Schedule should be less strict as it causes burn out and studies become burden. I havent been able to do my hobbies since a long time. |
| 9/14/2017 16:1 | 50 50 % but concept clear hai.. | Story and sometimes dancing moments by sir | 4 | 4 | By discussing more problems on several topics and sometimes communication b/w us how to increase our accuracy towards solving the question |
| 9/14/2017 16:1 | We did not understand it earlier. But now I m understanding this unit. Pls explain the physical phenomenon attached with every unit so that we can understand it easily | When you teach us the chapter with stories.we understand it very well. | 4 | 3 | Teach us from the very basic like binomial theorem...tell us how to expand it first and then start teaching. Otherwise your teaching is excellent sir. |
| 9/14/2017 16:1 | Differential equations were ok, but in the special function some topics went over the head, topics were going fast . | Yes, in tutorial classes when we solved some questions. | 3 | 2 | Please provide us notes or ppts and before the start of lecture give a brief overview of the topic going in the class. |
| 9/14/2017 16:1 | Sir, we came to know about the derivations . We learnt how to derive the expressions but we didn't learn how to apply it in physics . We dont know how to solve physics phenomenons using these special functions. | The joyful moment ... dont know | 4 | 4 | Sir as this is our first time here. We dont know how u will set exam . We want u to tell us the exam pattern and type of questions u will set there so that during preparation we have a idea . |
| 9/14/2017 16:1 | Differential equations would have been given more time .We are not so clear about the topics and Rest of the part is fairly clear .But it is more clear from indian author's book than the referred arfken book | Yaa sure .Sir has a great sense of humour and he tells us humorous stories making lecture more fun . | 3 | 2 | Yes it can be made more simple and it would be better if teacher solves the question himself first and then ask us to do same type of questions then. |

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| 9/14/2017 16:1 | 1.We didn't practise any question ...neither about all methods in are syllabus...suggestion::should start from easy to difficult question... Should guide how to prepare for this exam | It feels good that our teacher coordinates with us this much... Teachers approach is good Sum time we get little puzzled too bt our teacher actually look into d mTter which is good | 3 | 2 | Start with d simplest way so that everyone get familiar with what we are going to study. Try to teach in easy way n do discuss about paper...whats imp |
| 9/14/2017 16:1 | It was very confusing as I am unable to relate the mathematics with physics. I understand everything in class but I am unable to do it myself. | Yea I enjoy the way, by which sir relate topics. I like the experiences that sir share with us. | 3 | 3 | Yea sir should generalize and clarify the topic before we start lecture. And sir should tell how we are relating mathematics with physics. |
| 9/14/2017 16:1 | The experience was good I learn so many new things.. nd my many doubts of BSC. Are also cleared when I do nd try questions my self bt sometimes I want that plz mention the topic name and tell any next topic we will do on next lctre. So that we can go through it. | Yeah. When u tell our mistakes and tell when and where we done wrong .. and tell us stories backgrd. Of that topic eg. In Fourier series | 4 | 3 | Yeah u can provide us hand written notes or ppts. |
| 9/14/2017 16:1 | Special function was quite understandable bt i didn't get the differential equation actually in the starting kuch smjh hi nhi aa rha tha kya topic h kaha se start kiya kaha khtm hua ...it probably because i didn't attend the 1 lecture | Joy is when i solve the question bt it happens only few times | 4 | 3 | Teacher should provide proper notes to all the students and all the teachers should aware about the problems of student and guide them in proper direction whether it is in syllabus or out of the syllabus |
| 9/14/2017 16:1 | It was good i hav learnt so many new things but there are so many doubts.. books are not very like or easy from where we do self study.. better to provide notes or ppts. | Sir's nature of making lectures more interesting by telling stories and expressions | 3 | 3 | Provide notes rather than books that will be more helpful for us and try to understand us our doubts and problems |
| 9/14/2017 16:1 | It was very good | Not yet | 4 | 3 | |
| 9/14/2017 16:1 | we wnt to learn more & we wnt to vast our knowledgeoverall experience was gd.... | ya!!!! i hve wen u told us the story of some boy from other university ... hahahaha wht a gd story wen u told us tht guy said his teacher ,"a piece of *****" ... the expression was supr cool amazing... | 4 | 3 | hmmm... some better way can b taken as such lyk b slow & get us more info regarding the topic. overall sir u r amazing.... its been cool to work wth u |
| 9/14/2017 16:1 | In starting I cannot understand anything but after some time derivations or formulas smaj Anne lgee thoda or interest aaya topics me specially in special functions : Bessel functions | I feel so happy when only one derivation of topic Legendre solved by me and half of derivation was correct | 3 | 2 | Plzzz explain all facts specially some formulas or facts use during any derivation of topics |
| 9/14/2017 16:1 | It's was ok...bcz i hate mathematics....mtlb m koshish krti by smjne ki...bt i think my base for differential is not clear..due to which m facing problems in this...or m not doing practice.....bcz i really fear from this subgt | Actually oll lectures i have attended were good....sometimes I also feel bored when I don't get anything..bt sometimes I don't get...what u said | 4 | 3 | One extra class should be provided to clear oll d bases.....notes should be provided.as we r not getting that which book we should.... arfken looks difficult fr us.... |

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|----------------|---|--|----|----|---|
| 9/14/2017 16:2 | I found dis chaptr easy(concepts wise) but while solving the equation it is vry challenging for me... but afr practice 3 4 times it will be easg for me... | Yaa..when i solved the answr | 2 | 5 | First of all, sir u should tell the students the chaptr name den d topic name den from where to start ,where to end, nd plz dont force us to follow the book Arfken it is not of our level we are not einstein..we are freshers nd we dont know to tackle it directly moreovr evrythng in d book is directly solve so i request to let the students learn from anybook knowledg matters... Ayways...sir i appreciate you..u have much more experience dan us but d diffnc is we are not expert yet...thankyou |
| 9/14/2017 16:2 | Always wanted to study afken, but could never understand it by myself. But now i can atleast understand the 30-40% of the chapter we did in last unit. Its motivating on itself that i can atleast understand the question of excersize if not the solution. Its been a wonderfull for now. | I gets really afraid whenever there us summation but not with all these summation i m in between my fear and yet i m still surviving. | 5 | 3 | We can atleast visualize some of the equation like vibrating membrane and how besel equation gives its modes. That way we may be more familiar and more trustworthy to theoretical understanding and practical implementation. |
| 9/14/2017 16:2 | We learnt effectively as u made us practice in class but still not able to understand where the chapter starts n it ends and the topics disturbed inbetween | Yes the stories in the class through them we r not bored n tried doing the equation more effectively | 4 | 3 | Yes may be by giving more examples after each derivation or I can say practicing more examples |
| 9/14/2017 16:2 | It was good but not much good because its our starting experience so I face some difficulties related to that subject | Yes i felt joy of learning during lectures of legendre polynomial and hermite functions | 4 | 3 | Yes, teaching and over all learning experience can be improved by providing some notes to students so that student can get some idea from there and make their own notes |
| 9/14/2017 16:2 | it was best during the lectures. You taught us in a very amazing way. you taught every article in such a way that i unferstood everthing eve minor details. | there were a lot of moments when i felt it was was not only a class but also a class where i learnt how to study freely . and make mind tension free. | 5 | 5 | The way teaching is awesome. I never met such a teacher in my life. from there good and sometime funny behaviour i learnt a great deal. i understamd everything what u taught. i think thats enough. |
| 9/14/2017 16:2 | I have attended all the lectures. I even understood the concepts to greater extent but somehow I lacked somewhere in learning differential equations. But special function's lectures as well as tutorials were easily understood and am satisfied from the teaching. | Yes! I enjoyed learning special functions. Tutorial classes were always interesting and full of enthusiasm. We solved the questions as per the topics. Sir has always tried to teach us in the best way we can understand. | 4 | 3 | Notes should be provided as per the sequence of the topics, so that we can relate the matter easily while studying. |
| 9/14/2017 16:2 | It was good , actually it was our starting that why i face some problem but after giving some time to this course i know I'll do definitely better ☐ ☐ | I really enjoyed some time during class time as when sir relate the topic with real life example , I think thats the good way to learn ☺ ☺ | 4 | 3 | Yes , I think teaching and learning ways should be improved by providing some notes to students so that students can make their own notes from providing teachers notes ☺ |

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| 9/14/2017 16:2 | We get to know much more about this unit.. its quite interesting and with each topic it enhances our knowledge and being a physics student it is also a quick revision of mathematics | Tutorial session actually improves a lot of our knowledge. It is not only tutorial session bt also a problem solving session□ | 4 | 2 | It can be improved if in tut classes more creative ideas of studying and instead of including those theorem .. techniques can also be used along with it..□ |
| 9/14/2017 16:2 | felt very different, never had a class before in which the student solves most of the questions only with the hints .Boht dimag lgana padhta hai class. Hindi mein bole toh MAZEDAAR CLASS . I Always enjoy the class no matter kuch samaj aye ya na | yes when you told a story about a piece of dash(law class) and your first class ah i remember the way you made fun of your name (i was amazed) | 4 | 4 | yes it can be improved if step by step questions are solved on the board Moreover notes must be provided and pattern of question paper should be provided and practice papers should be solved in the class. |
| 9/14/2017 16:2 | I did not understand some parts in DF but I'm able to understand some part of Special function. | I enjoyed learning this week only because I was able to understand . | 3 | 4 | Topics like LF , besel function,hermite function and the last topics fouriers series - please explain from basic |
| 9/14/2017 16:2 | I was very excited during first three lectures but later on it was difficult for me to do the calculations. I am usually puzzled from where should i begin | Yes , when we are taught in a different way using inspirational talks. | 3 | 2 | Notes should be provided for the convenience of the students |
| 9/14/2017 16:2 | Diff euation is a interesting topic to learn but difficult to solve but if the question r easily solved at that particular period its quite interesting and special function is also quite interesting & its topic related to phy r also quite interesting when i get to know but quite difficult | Yes one day there was a scene of hollywood movie picturised by sir that was quite interesting | 4 | 3 | Sir u should provide proper notes and try to explain the physical phenomenon attached with that question or unit . Otherwise you teach in a different way and i like your way of teaching |
| 9/14/2017 16:2 | Not even a single concept were cleared, we forget all the basic knowledge about maths, it was really a very bad experience | first day of class the course | 1 | 1 | By providing proper notes that based on topic and some special and important questions or sum are given in a sheet. |
| 9/14/2017 16:2 | Not even a single concept was clear. It was really a very bad experience. All of our class in getting difficulty in understanding the concepts . No notes are provided. We dont have any preparation for MST of this particular subject only. | Only the first day of lect was good that was also due to the excitement to learn new things or getting the admission,but after that not even a single lect was found interesting | 1 | 1 | Notes of that particular topic should be provided . And books which can make our concept morr clear should be recommended . We are getting difficulty in clearing the concept from arf ken |
| 9/14/2017 16:2 | Sir I am unable to implement equation in physics | Well actually don't know but I enjoy your class | 4 | 4 | Yes it can be improved |
| 9/14/2017 16:2 | not even a single concept was clear ...i forgot all the basic knowledge instead of getting more...i m facing difficulty in preparing for the MSTs | on very first day of ur class.. we enjoyed a lot after that all ruin.. | 1 | 1 | notes should be provided and some special and important questions should b discussed |
| 9/14/2017 16:2 | Sir,I know about diffential equation and I m interested to solve this equation.but I don't know how to implement in Physics | | 4 | 4 | Sir plz explain the details |
| 9/14/2017 16:2 | | i felt joy every time because this was all new to me.i enjoyed | 4 | 3 | |

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| 9/14/2017 16:2 | Differential equation is interesting topic and we are already familiar with Differential. Equations in b. Sc Bt in M. Sc we read differential equations and my personal experience is very nice for mathematical physics bc'z daily after college I read arfken book for some time | Yes I enjoyed the lecture of mathematical physics | 5 | 5 | No |
| 9/14/2017 18:2 | not even a single concept was clear ...i forgot all the basic knowledge instead of getting more...i m facing difficulty in preparing for the MSTs | on very first day of ur class.. we enjoyed a lot after that all ruin.. | 1 | 1 | notes should be provided and some special and important questions should b discussed |
| 9/14/2017 21:5 | | Actually so much difficulties faced by me when I joined the college Bt now so much improved and am happy Bc'z I always tries to experising something new every moment from teachers and every teacher for me like god and my teachers are very experienced and good | 5 | 5 | No |
| Q3 | How would you rate your teacher based on his/her motivation, delivery, organisation during the last unit? | | | | |
| Q4 | How would you rate yourself based on your motivation, effort, likeness towards the learning during the last unit? | | | | |
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| Query | Rating | No of Students | | | |
| Q3 | 1 | 5 | | | |
| | 2 | 2 | | | |
| | 3 | 9 | | | |
| | 4 | 19 | | | |
| | 5 | 4 | | | |
| Query | Rating | No of Students | | | |
| Q4 | 1 | 5 | | | |
| | 2 | 7 | | | |
| | 3 | 17 | | | |
| | 4 | 6 | | | |
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