

its findings.

2. Give a general account of the workings of and theory behind the LHC, and describe some of its findings e.g. the Higgs boson
3. Relate some of the developments in the technology associated with probing the human brain (e.g. fMRI) and give an account of some of the findings in this field.
4. Give a broad account of developments in the field of Artificial Intelligence and computer simulations and indicate areas in which their use has extended the reach of researchers'.
5. Describe some of the developments in the science of metrology e.g. the collection of light one photon at a time: electric currents of one electron: time measurement and supe- accurate clocks and how such developments facilitate research in other fields etc.

What teaching methods will be used and will there be work outside of the class?

- The WEA tutor will use a range of different teaching and learning methods and encourage you and the group to be actively involved in your learning
- You may be asked to undertake additional work in your own time to support your learning
- You will be expected to carry out a range of activities in your own time
- Whilst being in the right ball-park activities 2 & 3 above are quite voluntary. There will be handouts to read and suggestions for personal research at home (e.g. Google) but you NOT be 'expected' to do such - advised and encouraged maybe, but that's quite up to you.

What kind of feedback can I expect from the tutor?

- A range of informal activities will be used by the tutor to see what you are learning which may include quizzes, question and answer, small projects and discussion
- You will be asked to fill out a personal Session Evaluation slip at the end of each session, asking you to reflect on how it went, what you have learnt and making comments about the material presented.

What else do I need to know? Is there anything I need to bring?

- Nothing else is needed
- The chief requisite is a lively interest and a desire to learn more. A general science/technology knowledge would clearly be helpful, but is certainly not essential - you can learn as you go.

Pre-course work, reading and information sources

- No pre reading is required but research on the subject on the internet or in the library may be helpful
- Also see answer to previous question.

Possible next steps after this course (including career opportunities if appropriate)

- Progress to another WEA course
- I would like th think that all students would maintian their interest in at least a few of the topics presented in the course e.g. astronomy and the current development of huge telescopes: the understanding of how the brain works; developepments in

Learning with the WEA

WEA courses increasingly make use of the rich variety of educational tools and material available on the internet and from digital devices. The WEA's digital learning platform, Canvas will play an increasing role in all WEA courses to provide resources or support, or to conduct lessons, enable

assessment, provide learner feedback and for other activities for individuals away from the course. It is helpful, although not essential if you have access to a computer or smartphone to support your course.

You can read about your entitlements and responsibilities as a WEA student in our leaflet, Student Handbook here <http://www.wea.org.uk/learn-wea/student-support> This includes information on fees, learning support and financial support. As part of your course you accept our Learning Agreement and Privacy Notice. Full details of the Learning Agreement and privacy notice can be found on our website at <http://www.wea.org.uk/policies>. This applies to all courses you take in this academic year.

You can enrol online for some courses <http://www.wea.org.uk/learn-wea/course-search> or contact: WEA Support Services, Suite 10B Joseph's Well, Hanover Way, Leeds, West Yorkshire, LS3 1AB Tel: 0300 303 3464 Email: courseenquiries@wea.org.uk



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