

**SCHEDULE-SPRING 2023 [2023/03/15 – 2023/04/18]**

**Economic Evaluation of Health Care Programmes (Preliminary 2022-11-25)**

| Course week 1          |             | Topic  | Teacher             | Edutype  | Lecture number          |
|------------------------|-------------|--|---------------------|--|-------------------------|
| <b>Wed,<br/>Mar 15</b> | 09:00-9:30  | Welcome to the course  | GK<br>(onsite)      | Informal introduction                            |                         |
|                        | 9:30-10:00  | Introduction to the course (registration; overview of course)*       | NZ & GK<br>(onsite) | Lecture LIVE                                     | M0L1                    |
|                        | 10:15-11:15 | Module 1: Principles and methods of economic evaluation              | NZ<br>(onsite)      | Lecture  | M1L1                    |
|                        | 11:30-12:00 | Module 1: Group Work: Economic evaluation of breast cancer screening | NZ<br>(onsite)      | Group work                                       | Instructions under M1L1 |
|                        | 13:00-15:00 | Module 1: Group Work: Economic evaluation of breast cancer screening | NZ<br>(onsite)      | Group work                                       | Instructions under M1L1 |
|                        | 15:15-16:30 | Module 1: Group Work: Economic evaluation of breast cancer screening | NZ<br>(onsite)      | Seminar – presentation on group work (Live/Zoom) |                         |
| <b>Thu,<br/>Mar 16</b> | 09:00-11:00 | Module 1: Costs in economic evaluation                               | GK<br>(onsite)      | Lecture/<br>Quiz<br>(Pre-recorded)               | M1L2                    |
|                        | 11:15-12:00 | Module 1: Group Work: Costs in economic evaluation                   | GK<br>(onsite)      | Group work                                       | Instructions under M1L2 |
|                        | 13:00-15:00 | Module 1: Group Work: Costs in economic evaluation                   | GK<br>(onsite)      | Group work                                       | Instructions under M1L2 |
|                        | 15:15-16:30 | Module 1: Group work: Costs in economic evaluation                   | GK<br>(onsite)      | Seminar – presentation                           |                         |

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|                        |             |   |                 | on group work<br>(Live/Zoom)                              |                         |
| <b>Fri, Mar<br/>17</b> | 10:00-11:00 | Module 1: The decision rules of cost-effectiveness analysis             | GK<br>(onsite)  | Lecture   | M1L3                    |
|                        | 11:15-12:00 | Module 1: Group Work: The decision rules of cost-effectiveness analysis | GK<br>(onsite)  | Group work  | Instructions under M1L3 |
|                        | 13:00-15:00 | Module 1: Group Work: The decision rules of cost-effectiveness analysis | GK<br>(onsite)  | Group work  | Instructions under M1L3 |
|                        | 15:15-16:30 | Module 1: Group Work: The decision rules of cost-effectiveness analysis | GK<br>(onsite), | Seminar –<br>presentation<br>on group work<br>(Live/Zoom) |                         |

\* = Compulsory participation

| <b>Course week 2</b>   |             | <b>Topic</b>  | <b>Teacher</b>    | <b>Edutype</b>           | <b>Lecture number</b>   |
|------------------------|-------------|---|-------------------|--------------------------|-------------------------|
| <b>Mon,<br/>Mar 20</b> | 10:00-12:00 | Module 2: Work on PSORIASIS assignment  |                   | Group Work               | Instructions under M2L1 |
|                        | 13:00-14:00 | Module 2: Work on PSORIASIS assignment- introduction and scheduled time for questions | GK/ES<br>(online) | Tutoring*<br>(live/zoom) |                         |
|                        | 14:15-17:00 | Module 2: Work on PSORIASIS assignment  |                   | Group work               |                         |
|                        | 09:00-12:00 | Module 2: PSORIASIS assignment  |                   | Group work               |                         |

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| <b>Tue,<br/>Mar 21</b>  | 13:00-16:00 | Module 2: Work on PSORIASIS assignment- scheduled time for questions                                     | GK/ES (onsite) | Tutoring (live & zoom)                |                |
|                         | 16:00-17:00 | Module 2: PSORIASIS assignment   |                | Group work                            |                |
| <b>Wed,<br/>Mar 22</b>  | 09:00-12:00 | Module 2: Work on PSORIASIS assignment   |                | Group work                            |                |
|                         | 13:00-16:00 | Module 2: Work on PSORIASIS assignment- scheduled time for questions                                     | GK/ES (online) | Tutoring (live & zoom)                |                |
|                         | 16:00-17:00 | Module 2: PSORIASIS assignment   |                | Group work                            |                |
| <b>Thur,<br/>Mar 23</b> | 09:00-16:30 | Work on PSORIASIS assignment   |                | Group work                            |                |
| <b>Fri,<br/>Mar 24</b>  | 10:00-11:00 | Module 1: Uncertainty analysis – the role of sensitivity and statistical analysis in economic evaluation | NZ (online)    | Lecture by NZ/<br>Quiz (Pre-recorded) | M1L5           |
|                         | 11:15-12:00 | Module 1: Uncertainty analysis – a model in Excel  | GK (onsite)    | Lecture by GK                         | M1L5 continued |
|                         | 13:15-13:35 | Showing how to do a bootstrap scatterplot and cost-effectiveness acceptability curve in Excel            | GK (onsite)    | Lecture by GK                         | M1L5 continued |
|                         | 14:00-17:00 | Module 2: PSORIASIS assignment   |                | Group work                            |                |

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| Course week 3          |               | Topic   | Teacher             | Edutype              | Lecture number          |
|------------------------|---------------|---|---------------------|----------------------|-------------------------|
| <b>Mon,<br/>Mar 27</b> | 10:00-11:00   | Module 1: Economic evaluation based on clinical trials – examples                                       | PL (onsite)         | Lecture/ Quiz        | M1L4                    |
|                        | 11:15-11:30   | Module 1: Group Work – An economic evaluation based on a clinical trial                                 | PL                  | Group work           | Instructions under M1L4 |
|                        | 11:30-12:00   | Module 1: Individual reading before the Group Work – An economic evaluation based on a clinical trial   |                     | Individual work      |                         |
|                        | 13:00-15:00   | Module 1: Group Work – An economic evaluation based on a clinical trial- a discussion of the paper      | PL (onsite)         | Group work           |                         |
|                        | 15:15-16:30   | Module 1: Group Work – An economic evaluation based on a clinical trial- a discussion of the assignment | PL (onsite)         | Seminar (Live/Zoom)  |                         |
| <b>Tue,<br/>Mar 28</b> | 10:00 – 11:00 |   | Travel to TLV       |                      |                         |
|                        | 11:00 – 12:00 | Module 3: The role of economic evaluation at TLV: The role of economic evaluation for reimbursement     | EJB (onsite/online) | Lecture & discussion | M3L1                    |

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|                        | 14:00-16:00 | Module 3: HTA-agencies and Economic Evaluation – how are economic evaluation used by SBU - discussion             | JW (onsite) | Seminar             | M3L2                    |
| <b>Wed<br/>Mar 29</b>  | 10:00-12:00 | Module 3: The role of economic evaluation in the pharmaceutical industry  | FH (online) | Seminar (Live/zoom) | M3L3                    |
|                        | 13:00-17:00 | Module 2: PSORIASIS assignment  |             | Group work          |                         |
| <b>Thur<br/>Mar 30</b> | 10:00-12:00 | Module 1: Lecture: The need for RWE and RWD for assessing effectiveness and cost-effectiveness of pharmaceuticals | MR (onsite) | Lecture/ Quiz       | M1L6                    |
|                        | 13:00-13:30 | Self reading (Phillips et al. 2020)   |             | Individual work     |                         |
|                        | 13:30-14:15 | Group discussion  |             | Group work          | Instructions under M1L6 |
|                        | 14:30-15:30 | Plenary summary   | MR (onsite) | Seminar (Live/Zoom) |                         |
| <b>Fri<br/>Mar 31</b>  | 09:00–10:00 | Module 1: Monetary valuation of health improvements   | NZ (onsite) | Lecture by NZ       | M1L7                    |
|                        | 10:30-12:00 | Module 1: Group Work: Monetary valuation of health improvements   |             | Group work          | Instructions under M1L1 |
|                        | 13:15-14:00 | Module 1: Group Assignment: Monetary valuation of health improvements-a discussion                                | NZ (onsite) | Seminar (Live/Zoom) |                         |

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|  | 14:30 – 16:30 | Module 2: PSORIASIS assignment |  | Group work |  |
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| Course week 4         |             | Topic   | Teacher     | Edutype                      | Lecture number          |
|-----------------------|-------------|---|-------------|------------------------------|-------------------------|
| <b>Mon,<br/>Apr 3</b> | 09:30-10:30 | Module 1: Critical assessment of an economic evaluation   | NZ (online) | Lecture by NZ (Pre-recorded) | M1L8                    |
|                       | 10:40-11:30 | Module 1: Group work: A critical assessment of an economic evaluation-preparation: individual reading (Janzon et al 2002) |             | Individual work              | Instructions under M1L8 |
|                       | 11.30-12:00 | Module 1: Group work: A critical assessment of an economic evaluation   |             | Group work                   | Instructions under M1L8 |
|                       | 13:00-14:45 | Module 1: Group work: A critical assessment of an economic evaluation   | NZ (onsite) | Group work                   |                         |
|                       | 15:00-16:30 | Module 1: Group work: A critical assessment of an economic evaluation   | NZ (onsite) | Seminar (Live/Zoom)          |                         |
| <b>Tues<br/>Apr 4</b> | 09:00-12:00 | Module 2: PSORIASIS assignment  |             | Group work                   |                         |
|                       | 13:00-13:45 | Module 1: HTA and the Economic Evaluation of medical devices- Individual reading  |             | Individual work              |                         |

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|                    | 14:00-15:00 | Module 1: HTA and the Economic Evaluation of medical devices   | PH (online) | Lecture (Live)   | M1L9                     |
|                    | 15:15-16:15 | Module 1: HTA and the Economic Evaluation of medical devices   | PH (online) | Lecture/Seminar (Live)   |                          |
| <b>Wed, Apr 5</b>  | 10:00-12:00 | Module 1: Economic evaluation of treatments of Alzheimer's disease: valuing informal care and budget impact analysis.            | RH (online) | Tutoring (Lecture/Quiz (Pre-recorded) and individual work live/zoom) | M1L10                    |
|                    | 13:30-15:00 | Module 1: Group Work: Economic evaluation of treatments of Alzheimer's disease: valuing informal care and budget impact analysis | RH (online) | Group work (Live/Zoom)   | Instructions under M1L10 |
|                    | 15:30-16:00 | Module 1: Module 1: Economic evaluation of treatments of Alzheimer's disease: valuing informal care and budget impact analysis   | RH (online) | Seminar (Live/Zoom)  |                          |
| <b>Thur, Apr 6</b> | 09:00-10:30 | Module 2: Work on PSORIASIS assignment   |             | Group work   |                          |

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|  | 10:30-12:00 | Module 2: Work on PSORIASIS assignment- scheduled time for questions | GK (onsite), campus/ES (online) | Tutoring (live/zoom) |  |
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\* = Compulsory participation

| Course week 5           |             | Topic  | Teacher | Edutype    | Lecture number |
|-------------------------|-------------|--|---------|------------|----------------|
| <b>Tues<br/>Apr 11</b>  | 09:00-17:00 | Module 2: Work on PSORIASIS assignment   |         | Group work |                |
|                         | 09:00-17:00 | Module 2: Work on PSORIASIS assignment   |         | Group work |                |
| <b>Wed,<br/>Apr 12</b>  | 17:00*      | Module 2: Deadline submission in Canvas (PSORIASIS Assignment)*<br><b>Documents to Submit:</b><br>1. Reimbursement Dossier.<br>2. PPT presentation.<br>Submit both documents to Kansliet and Beslutandenämnden |         | Deadline   |                |
| <b>Thur,<br/>Apr 13</b> | 09:00-17:00 | Module 2: Work on PSORIASIS assignment   |         | Group work |                |



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|                    | 17:00*      | Module 2: Deadline submission in Canvas 17.00* (PSORIASIS Assignment)*<br>Documents to Submit:<br>1. Kansliet should submit their recommendation/feedback to Beslutandenämnden. |  | Deadline   |  |
| <b>Fri, Apr 14</b> | 09:00-17:00 | Module 2: Work on PSORIASIS assignment  |  | Group work |  |

\* = Compulsory participation

| Course week 6      |              | Topic   | Teacher           | Edutype                             | Lecture number |
|--------------------|--------------|---|-------------------|-------------------------------------|----------------|
| <b>Mon, Apr 17</b> | 09:00-15:30  | Module 2: Presentation to Kansliet and Beslutandenämnden* (group 1-7 PSORIASIS, group 7-1 Kansliet) | GK/ES/NZ (onsite) | Seminar – presentation (Live/Zoom)* |                |
| <b>Tue, Apr 18</b> | 08:00-18:00* | Home examination  |                   | Canvas-based examination            |                |

#### TEACHERS:

Egill Jonsson Bachmann (EJB), The Dental and Pharmaceutical Benefits Agency (TLV)

Emma Söreskog (ES), Affiliated to Karolinska Institutet

Freddie Henriksson (HF), Janssen pharma division of Johnson&Johnson

George Keel (GK) - The Swedish institute for Health Economics (IHE) and affiliated to Karolinska Institutet

Jahangir Khan (JK) – University of Gothenburg and affiliated to Karolinska Institutet

Johanna Wiss (JW), Swedish Agency for Health Technology Assessment and Assessment of Social Services (SBU)

Mats Rosenlund (MR), Karolinska Institutet

Niklas Zethraeus (NZ), Karolinska Institutet

Patrik Hedefjäll (PH), The National Board of Health and Welfare (Socialstyrelsen)

Peter Lindgren (PL), The Swedish institute for Health Economics (IHE) and affiliated to Karolinska Institutet

Ron Handels (RH), Alzheimer Centrum Limburg at Maastricht University (Netherlands) and affiliated to Karolinska Institutet