

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

The GDS Fares and Ticketing course is a computer-based training solution, available in Internet or CD-ROM format, designed for intermediate-level travel students, working travel consultants, airline reservations and sales personnel, tour operators and consolidators. The course teaches the student to apply mileage system pricing skills to international routings while using a GDS system and its transactions. Learners learn to read and interpret all fare related GDS displays. GDS emulation technology simulates GDS functionality with self-guided and independent study design. Beginner to advance mileage fare construction skills are covered in this course.

Successful candidates earn the **IATA Global Distribution System International Air Fares and Ticketing Course Certificate**.

<b>Lesson 1</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Introduction to the training course	This lesson introduces the student to the course tools and supplemental material for study. It also describes IATA.	54	Introduction to the course outline and study materials
<b>Lesson 2</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Air fares	Define "airfare" and common airfare groupings.	107	1 - Airfares 2 - Introduction to special fares 3 - Domestic and international fares 4 - Retrieving fare displays from Amadeus  Review questions
<b>Lesson 3</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Analyzing itineraries	Determine characteristics of a journey that influence itinerary pricing	165	1 - Connection and stopover points 2 - Types of journeys - RT, CT, OW, OJ, RTW 3 - Classes of service 4 - IATA traffic conference areas - TC 5 - Governing carriers 6 - Global indicators, direction of travel  Review questions

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

<b>Lesson 4</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
The Mileage system and the IATA Fare Formula	Define the 8 steps of the IATA fare formula to calculate airfares for indirect routings based on the mileage system	31	1 - The IATA Fare Formula  Review questions
<b>Lesson 5</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Mapping	Visualize itineraries by drawing a map of the trip to determine the direction of travel, the fare construction point and geographical relation of cities to each other	48	1 - Overview of the map diagram  2 - Drawing map diagrams for one-way and circle trips  3 - Points to remember  Review questions
<b>Lesson 6</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
The Fare Construction Point	Determine the fare construction point in a journey	71	1 - IATA Fare Formula Step 1 2 - Fare Construction Point 3 - Retrieving the Amadeus mileage display 4 - Practice determining the FCP for journeys 5 - Points to remember 6 - Review questions
<b>Lesson 7</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
NUC Fares	Identify fare components and find the fare for fare components in NUC	109	1 - IATA Fare Formula Step 2  2 - Neutral Units of Construction  3 - Finding the fare for several itineraries  4 - Special considerations for circle-trip fares  5 - Points to remember  Review questions

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

<b>Lesson 8</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Fare Rules & Conditions	Check and interpret conditions of fare rules/notes	222	1 - IATA Fare Formula Step 3 2 - Interpreting fare basis codes 3 - Amadeus fare rules 4 - Amadeus rules - second example 5 - Amadeus rules - day-of-week restrictions 6 - Amadeus rules - stopovers 7 - Amadeus rules - excursion fares 8 - A list of the Amadeus rule entries 9 - Points to remember Review Questions
<b>Lesson 9</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
MPMs, TPMs and EMA	Define the relationship between MPM, TPM and EMA	98	1 - IATA Fare Formula Steps 4, 5 and 6 2 - Definition of MPM, TPM and EMA 3 - Practice determining MPM, TPM and EMA 4 - Points to Remember Review questions
<b>Lesson 10</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Extra Mileage Surcharge (EMS)	Calculate excess mileage surcharges, comparing miles flown with the total miles allow by a fare	61	1 - IATA Fare Formula Step 6b 2 - Excess Mileage Surcharges - EMS 3 - Practice determining the EMS for several itineraries

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

			4 - Mathematical method of determining EMS  5 - Points to remember  Review questions
<b>Lesson 11</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Higher Intermediate Point (HIP)	Determining whether a higher fare exists from the journey origin to any intermediate stopover point when compared to the origin-breakpoint fare	134	1 - IATA Fare Formula Step 7 2 - Higher Intermediate Point - HIP 3 - Practice HIP check on a one-way trip 4 - Practice HIP check on another one-way trip 5 - Practice HIP check on a return trip I 6 - Practice HIP check on return trip II 7 - Points to remember Review questions
<b>Lesson 12</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Applicable Fare (AF)	Define and determine the applicable fare	60	1 - IATA Fare Formula Step 8  2 - Amadeus surcharge band entry  3 - Practice finding the applicable fare  4 - Finding a surcharge manually  5 - Points to remember  Review questions
<b>Lesson 13</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Pricing Basic OW and RT Journeys	Price one-way and round-trip/circle trip journeys	90	*1 - Practice pricing simple one-way trip  *2 - Practice pricing simple circle trip  Review Questions

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

<b>Lesson 14</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Limitations on Indirect Travel	Identify the three limitations on indirect travel and price such journeys	56	*1 - The three general limitations on indirect travel  *2 - Mileage displays and limitations on travel  *3 - PNRs and limitations of indirect travel  *4 - Points to remember  Review questions
<b>Lesson 15</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Side Trips	Pricing side trips to reduce the fare or overcome a limitation	158	1 - About side trips  2 - Practice pricing a journey with a RT side trip  3 - Practice pricing a journey with a OW side trip  4 - Practice pricing a journey with a mileage side trip  5 - Pricing the mileage side trip  6 - End-on combinations  7 - Points to remember  Review questions
<b>Lesson 16</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Surface Sectors	Price journeys with surface transportation gaps and apply exceptions	68	1 - Surface sectors or gaps  2 - Practice pricing a journey with a surface gap  3 - Permissible surface sectors  4 - Points to remember  Review questions

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

<b>Lesson 17</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
One-way Backhaul Check (BHC)	Perform checks on one-way journeys to ensure that the applicable fare meets all minimum fare rules	68	1 - IATA Fare Formula Step 9 2 - One-way backhaul check 3 - Practice making the BHC on journeys 4 - Points to remember Review questions
<b>Lesson 18</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Circle Trip Minimum Check (CTM)	Perform checks on round/circle trip journeys to ensure that the applicable fare meets all minimum fare rules	122	1 - Round and Circle Trips 2 - Circle trip minimum check (CTM) 3 - Practice making the CTM check - 1 4 - Practice making the CTM - 2 5 - Practice making CTM check - 3 6 - Points to remember Review questions
<b>Lesson 19</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Alternative Fare Construction Points	Find a fare around an alternative fare construction point that reduces the fare from origin to the farthest ticketed point with the highest MPM	71	1 - Alternative Fare Construction Points 2 - Pricing a journey around two different construction points 3 - Changing the routing of a journey to lower the fare 4 - Points to remember Review questions
<b>Lesson 20</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Mixed Class Travel	Price journeys with segments booked with two or more classes of service producing a	100	1 - Mixed-class travel, class

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

	class differential		<p>differential</p> <p>2 - Practice pricing OW mixed-class journey</p> <p>3 - Practice pricing RT/CT mixed-class journey</p> <p>4 - Other considerations for mixed-class travel</p> <p>5 - Points to remember</p> <p>Review questions</p>
<b>Lesson 21</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Open-jaw Journeys	Define and recognize journeys with surface breaks defined as ONOJ, TNOJ and DNOJ	124	<p>1 - Open jaws</p> <p>2 - Normal Fare Open Jaws</p> <p>3 - Practice pricing a normal fare open jaw</p> <p>4 - Practice pricing a second normal fare open jaw</p> <p>5 - Special fare open jaws</p> <p>6 - Other open-jaw journeys</p> <p>7 - Points to remember</p> <p>Review questions</p>
<b>Lesson 22</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Lowest Combination Principle (LLP)	Break fare components into two or more smaller fare components where the sum produces the least expensive total fare, especially in cases where no direct fare is published, or the routing mileage exceeds 25M or it is possible to reduce a mileage surcharge	29	<p>1 - Lowest combination principle</p> <p>2 - Points to remember</p> <p>Review questions</p>
<b>Lesson 23</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Pricing Units (PU)	Experiment with various fare construction points to find the lowest possible constructed air fare for a journey	71	<p>1 - Pricing unit concept (PU)</p> <p>2 - Fare construction terms</p> <p>3 - Breaking a</p>

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

			<p>journey into pricing units (PU)</p> <p>4 - Consecutive vs. contiguous pricing units (PU)</p> <p>5 - Direction of ticketing exceptions</p> <p>6 - Points to remember</p> <p>Review Questions</p>
<b>Lesson 24</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
<p>Around-the-world Fares and the RWM Check</p>	<p>Price a journey which travels in a continuous eastbound or westbound direction, circling the globe with one crossing of the Atlantic and Pacific oceans and apply the RWM check</p>	<p>136</p>	<p>1 - Around-the-world journeys</p> <p>2 - Review of global indicators</p> <p>3 - Round-the-world Minimum Check</p> <p>4 - Practice pricing round-the-world journey, calculation 1</p> <p>5 - Practice pricing round-the-world journey, calculation 2</p> <p>6 - Pricing a RTW journey with three fare components</p> <p>7 - Points to remember</p> <p>Review questions</p>
<b>Lesson 25</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
<p>The Passenger Ticket</p>	<p>Examine the parts of an e-ticket and Issue an electronic ticket via GDS functionality</p>	<p>40</p>	<p>1 - Introduction to the passenger ticket</p> <p>2 - Electronic ticketing overview</p> <p>3 - Points to remember</p> <p>Review Questions</p>
<b>Lesson 26</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
<p>Linear Fare Construction I</p>	<p>Interpret and decode basic linear fare data printed on e-tickets</p>	<p>154</p>	<p>1 - Introduction to the linear fare construction</p> <p>2 - Creating a basic</p>



**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

			<p>linear fare construction</p> <p>3 - Linear fare construction and plus-ups</p> <p>4 - Linear fare construction and surface sectors</p> <p>5 - Linear fare construction and EMA</p> <p>6 - Linear fare construction and class differential</p> <p>7 - Linear fare construction and side trips</p> <p>8 - Summary of the linear codes taught in the lesson</p> <p>9 - Points to remember</p> <p>Review questions</p>
<b>Lesson 27</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Linear Fare Construction II	Interpret and decode linear fare data printed on e-tickets with stopovers and surcharges	110	<p>1 - Linear fare construction and stopover charges</p> <p>2 - Linear fare construction and surcharges</p> <p>3 - Variations to the linear fare construction</p> <p>4 - Linears for all other PNRs priced in the course</p> <p>5 - Summary of the linear codes taught in the lesson</p> <p>6 - Points to remember</p> <p>Review questions</p>
<b>Lesson 28</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Currency Conversion	Convert NUC fares to local currency	79	<p>1 - Introduction to currency conversion</p>

**IATA International Travel & Tourism Training Program**  
**IATA GDS Fares and Ticketing Course**  
**Course Description and Outline**

			<p>2 - Currency conversion entries</p> <p>3 - Practice converting NUCs into currency</p> <p>4 - Rate of exchange table</p> <p>5 - Points to remember</p> <p>Review questions</p>
<b>Lesson 29</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Taxes	Identify and apply collectable taxes	235	<p>1 - Introduction to air travel taxes</p> <p>2 - Amadeus tax information displays</p> <p>3 - Amadeus tax information display for Great Britain</p> <p>4 - Amadeus tax information display for Italy</p> <p>5 - Amadeus tax information display for Australia</p> <p>6 - Amadeus tax information display for the United States</p> <p>7 - The United States PFC tax - Passenger Facility Charge</p> <p>8 - Taxes for the Mayer PNR</p> <p>9 - Points to remember</p> <p>Review questions</p>
<b>Lesson 30</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Manual TST and Ticket issuance	Manually record and store a constructed fare in a GDS PNR via TST entries for ticketing purposes	144	<p>1 - Manual TST</p> <p>2 - Creating a manual TST</p> <p>3 - Manual TST insertion entries</p> <p>4 - Building a manual</p>

**IATA International Travel & Tourism Training Program  
IATA GDS Fares and Ticketing Course  
Course Description and Outline**

			<p>TST - single-passenger PNR</p> <p>5 - Adding mandatory fare elements in preparation for ticketing</p> <p>6 - Building a manual TST - multi-passenger PNR</p> <p>7 - Ticketing a PNR with a manual TST and mandatory fare elements</p> <p>8 - Points to remember</p> <p>Review questions</p>
<b>Lesson</b>	<b>Lesson Objective</b>	<b># Frames Per Lesson</b>	<b>Lesson Topics</b>
Preparation Guide for the Revision Test		13	

**TTL HOURS**

**50 HRS**